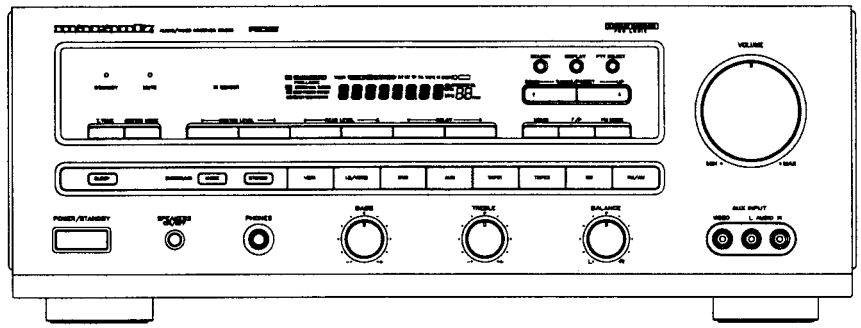
Service Manual

74SR390/02B

Audio/Video receiver



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Please use this service manual with referring to the user guide (D.F.U) without fail.

marantz®

model SR390

4812 725 51188
First Issue:1999.02
25W855010 AO

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **MARANTZ** company has created the ultimate in stereo sound. Only original **MARANTZ** parts can insure that your **MARANTZ** product will continue to perform to the specifications for which it is famous.

Parts for your **MARANTZ** equipment are generally available to our National Marantz Subsidiary or Agent.

ORDERING PARTS :

Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

USA

MARANTZ AMERICA, INC.
440 MEDINAH ROAD
ROSELLE, ILLINOIS 60172
USA
PHONE : 630 - 307 - 3100
FAX : 630 - 307 - 2687

CANADA

LENBROOK INDUSTRIES LIMITED
633 GRANITE COURT,
PICKERING, ONTARIO L1W 3K1
CANADA
PHONE : 905 - 831 - 6333
FAX : 905 - 831 - 6936

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SUPERSCOPE TECHNOLOGIES, INC.
MARANTZ PROFESSIONAL PRODUCTS
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AURORA, ILLINOIS 60504 USA
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TC ELECTRONICS CANADA LTD.
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MK ENTERPRISES LTD.
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MAPO-KU, SEOUL
KOREA
PHONE : +82 - 2 - 323 - 2155
FAX : +82 - 2 - 323 - 2154

BRAZIL

MARANTZ BRAZIL
CAIXA POSTAL 21462
CEP 04698-970
SAO PAULO, SP, BRAZIL
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THAILAND

MRZ STANDARD CO., LTD.
746 - 754 MAHACHAI RD.,
WANGBURAPAPIROM, PHRANAKORN,
BANGKOK, 10200 THAILAND
PHONE : +66 - 2 - 222 - 9181
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AUSTRALIA / NEW ZEALAND

SCAN AUDIO PTY. LTD.
52 CROWN STREET, RICHMOND 3121
VICTORIA
AUSTRALIA
PHONE : +61 - 3 - 9429 - 2199
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PAI- YUING CO., LTD.
6 TH FL NO, 148 SUNG KIANG ROAD,
TAIPEI, 10429, TAIWAN R.O.C.
PHONE : +886 (2) 5221304
FAX : +886 (2) 5630415

MALAYSIA

WO KEE HONG ELECTRONICS SDN. BHD.
NO. 102 JALAN SS 21/35, DAMANSARA
UTAMA, 47400 PETALING JAYA
SELANGOR DARUL EHSAN,
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PHONE : +60 3 - 7184666
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JAPAN *Technical*

MARANTZ JAPAN, INC.
35- I , 7- CHOME, SAGAMIONO
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PHONE : +81 42 748 1013
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営業本部 〒228-0022
東京都渋谷区恵比寿南1-11-9

SINGAPORE

FORWARD MARKETING (S) PTE. LTD.
23, LORONG 8, TOA PAYOH,
SINGAPORE 319257.
PHONE : +65 2583640
FAX : +65 3564047

SHOCK, FIRE HAZARD SERVICE TEST :

CAUTION : After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 1492.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

1.TECHNICAL SPECIFICATIONS

FM Tuner Section

Frequency Range	87.5 - 108.0 MHz
Usable Sensitivity	IHF 0.9 μV / 10.8 dBf
Signal to Noise Ratio	Mono / Stereo 70 / 65 dB
Distortion	Mono / Stereo 0.2 / 0.5 %
Stereo Separation	1 kHz 45 dB
A.C.S.	± 400 kHz 55 dB
Image Rejection	98 MHz 50 dB
Tuner Output Level	1 kHz, ± 40 kHz Dev 500 mV

AM Tuner Section

Frequency Range	522 - 1620 kHz
Usable Sensitivity	Loop 500 μV / m
Signal to Noise Ratio	50 dB (at 94 dB / m)
Distortion	1 kHz, 30 % Mod. 0.5 % (at 85 dB / m)
Selectivity	± 10 kHz 25 dB

Audio Section

Rated Power (5 ch drive)	
Front	20 Hz - 20 kHz 8 ohms 40 W / Ch
Center	1 kHz 8 ohms 40 W
Surround	1 kHz 8 ohms 20 + 20 W / Ch
THD Front	20 Hz - 20 kHz 8 ohms 0.09%
Input Sensitivity / Imedance	
Line	200 mV / 47 k ohms
Signal to Noise Ratio	
Line	100 dB

Video Section

Input / Output Level / Impedance	1.0 V_{p-p} / 75 ohms

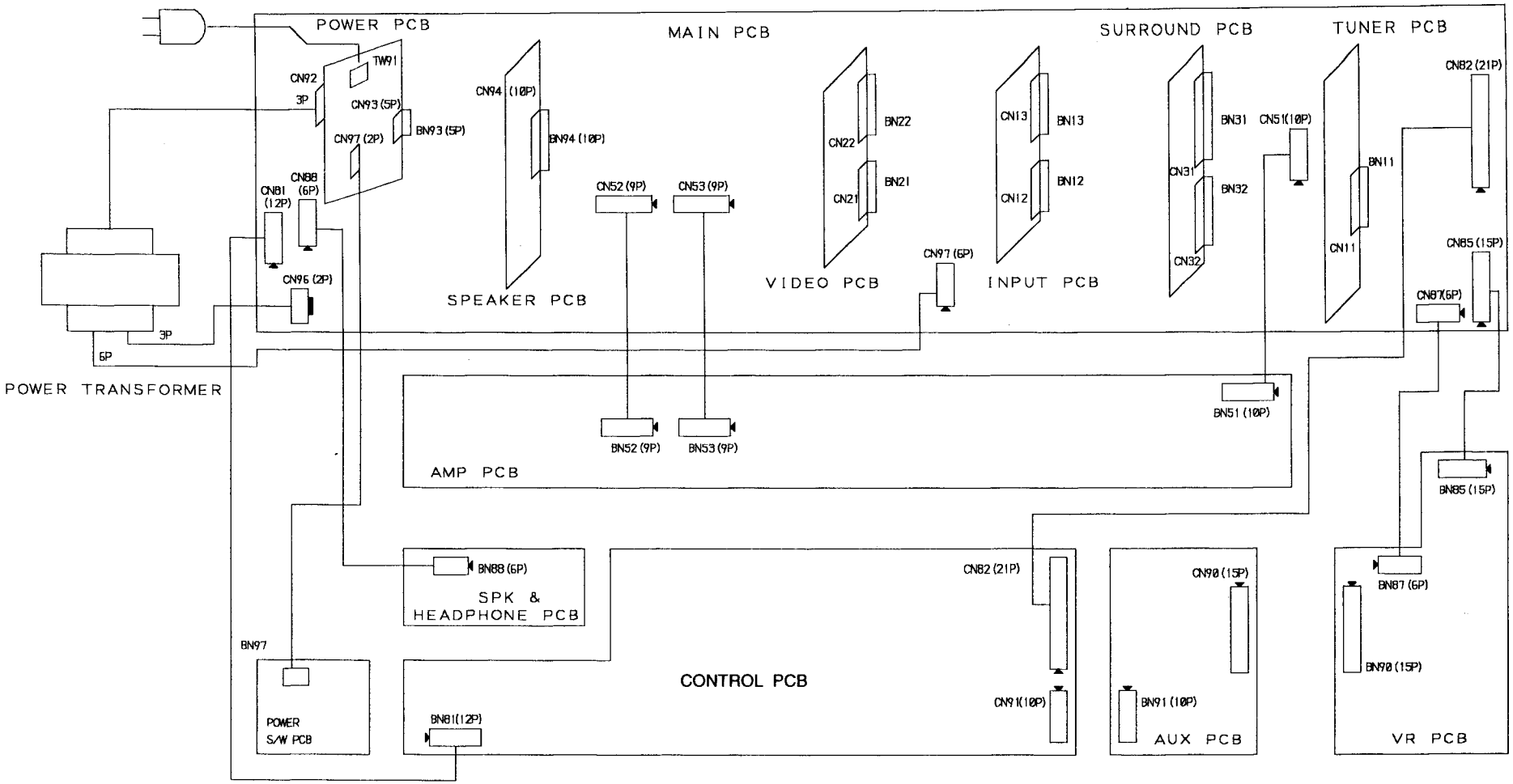
Others

Power Supply	
/02B version	AC 230 V 50 Hz
Power Consumption	280 W

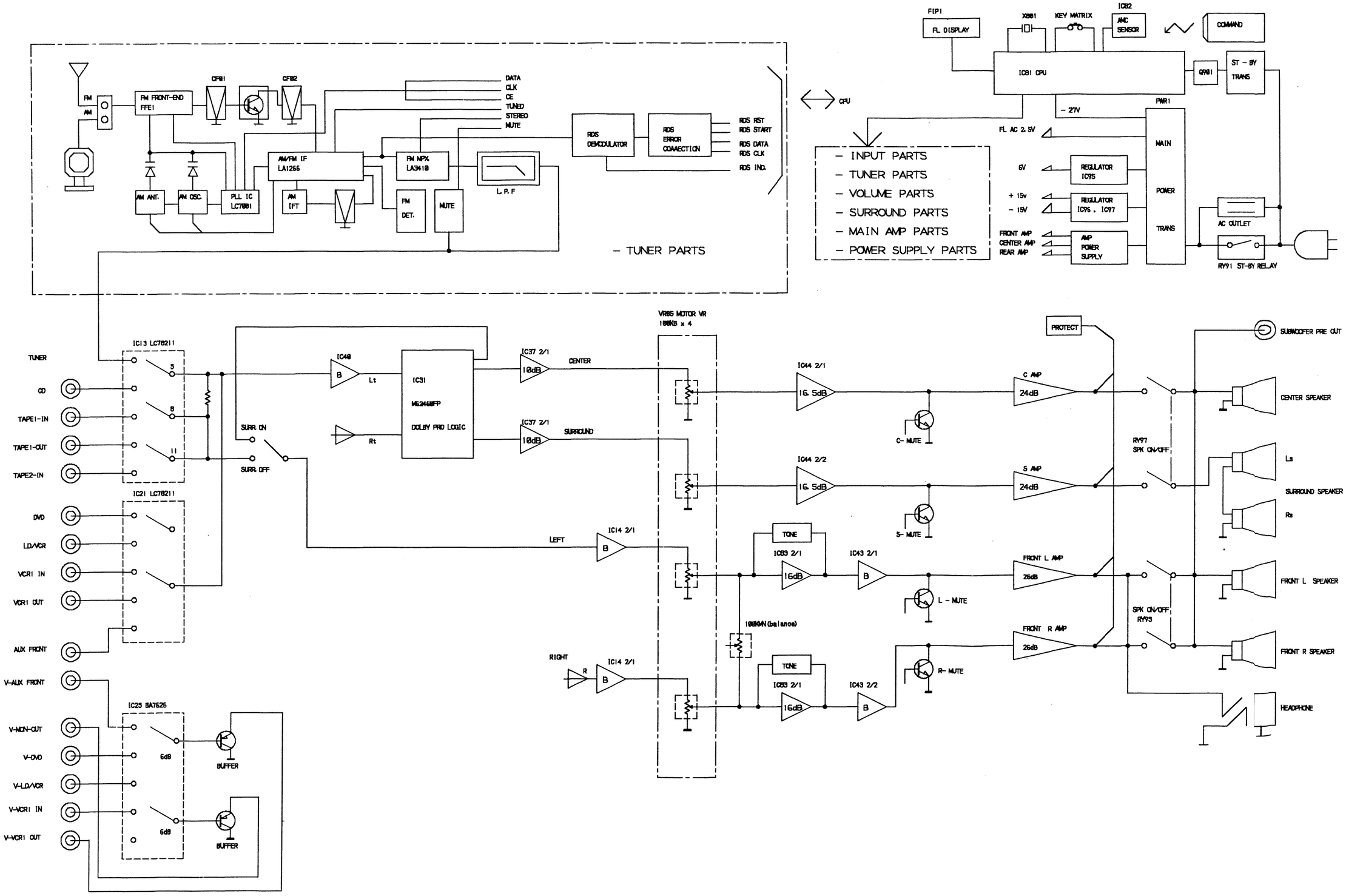
Dimemsions

Width	440 mm
Height	165 mm
Depth	394 mm
Weight	9.9 kg

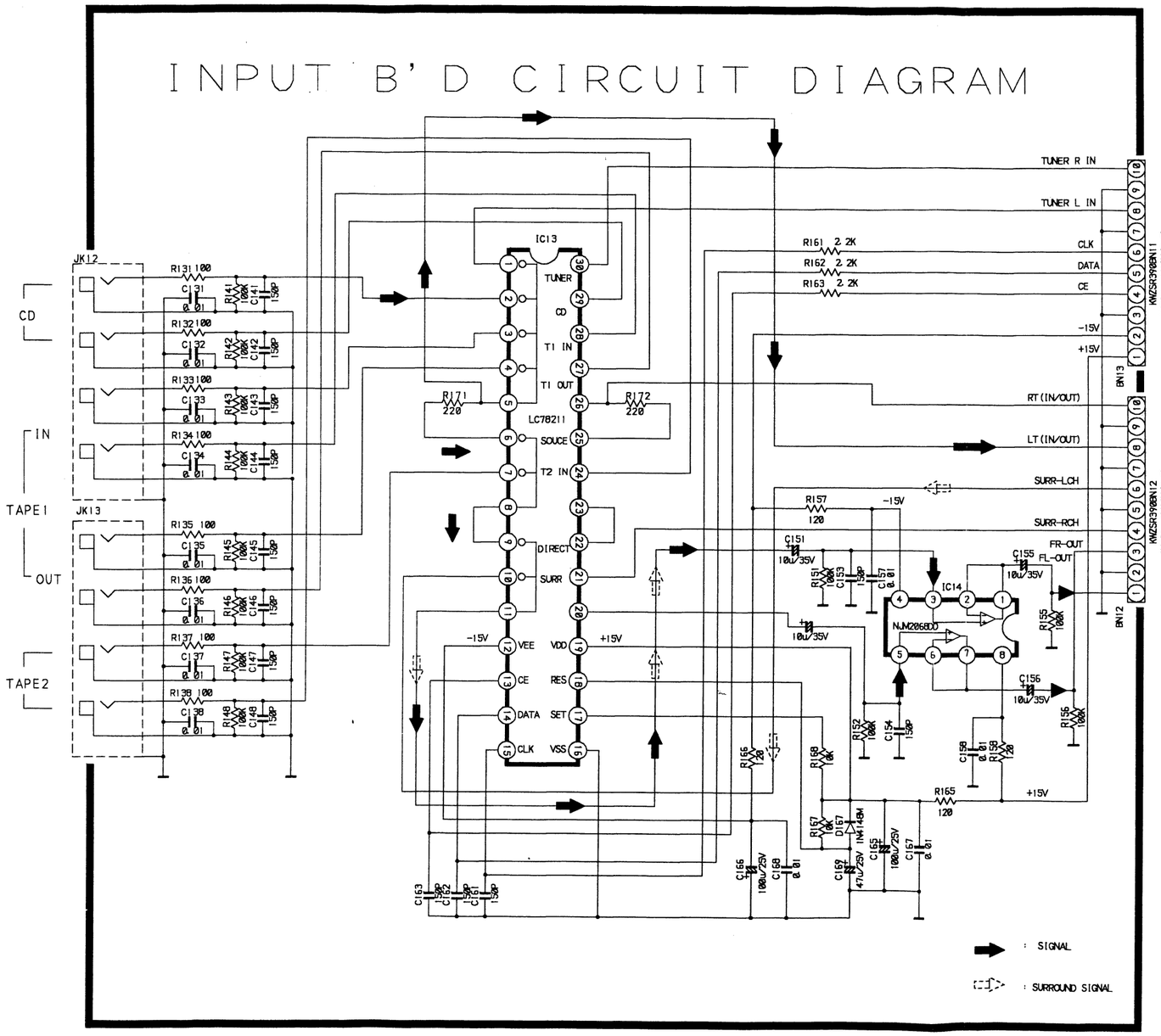
Specifications subject to change without prior notice.


POWER PCB
MAIN PCB
SURROUND PCB
TUNER PCB
TW91
CN92
3P
CN93 (5P)
BN93 (5P)
CN97 (2P)
CN94 (10P)
BN94 (10P)
CN88 (6P)
CN81 (12P)
CN96 (2P)
CN52 (9P)
CN53 (9P)
CN22
BN22
CN21
BN21
CN13
BN13
CN12
BN12
CN97 (6P)
CN31
BN31
BN32
CN32
CN51(10P)
BN11
CN11
CN82 (21P)
CN85 (15P)
CN87(6P)
SPEAKER PCB
VIDEO PCB
INPUT PCB
3P
6P
POWER TRANSFORMER
BN51 (10P)
BN52 (9P)
BN53 (9P)
AMP PCB
BN85 (15P)
BN88 (6P)
SPK &
HEADPHONE PCB
CN82 (21P)
CN90 (15P)
BN87 (6P)
BN97
CONTROL PCB
BN90 (15P)
CN91(10P)
BN91 (10P)
POWER
S/W PCB
BN81(12P)
AUX PCB
VR PCB

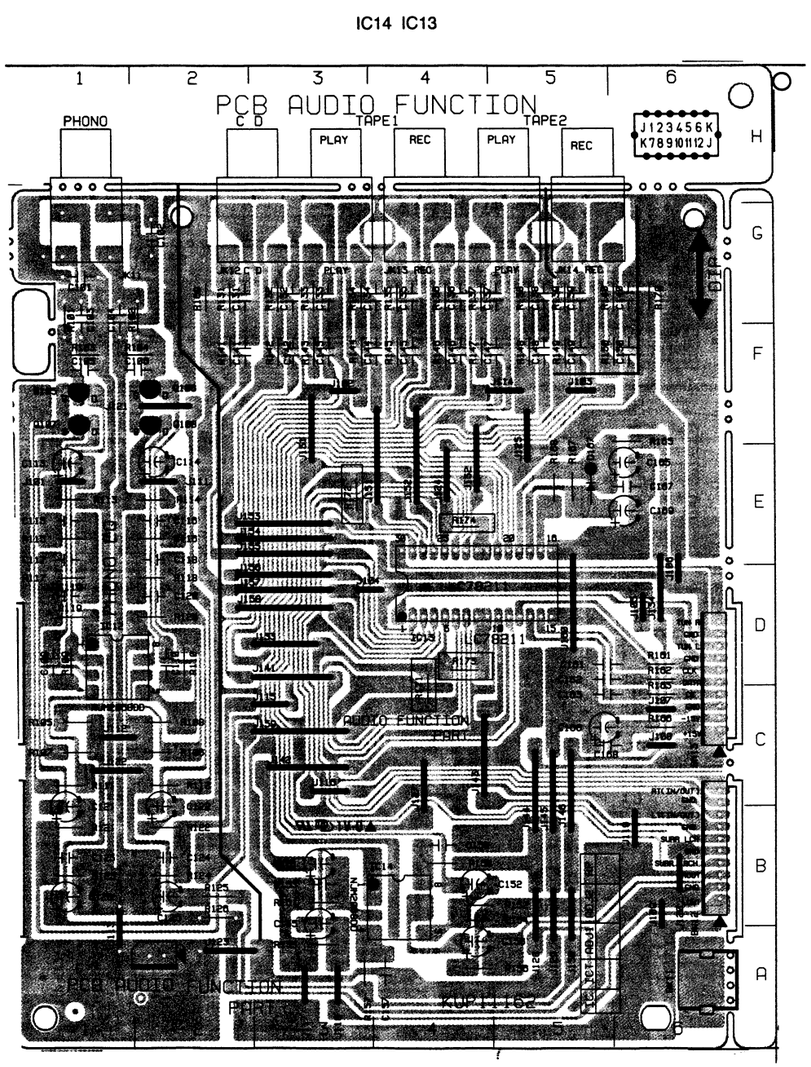
3. BLOCK DIAGRAM



INPUT SCHEMATIC DIAGRAM



INPUT PRINTED CIRCUIT BOARD



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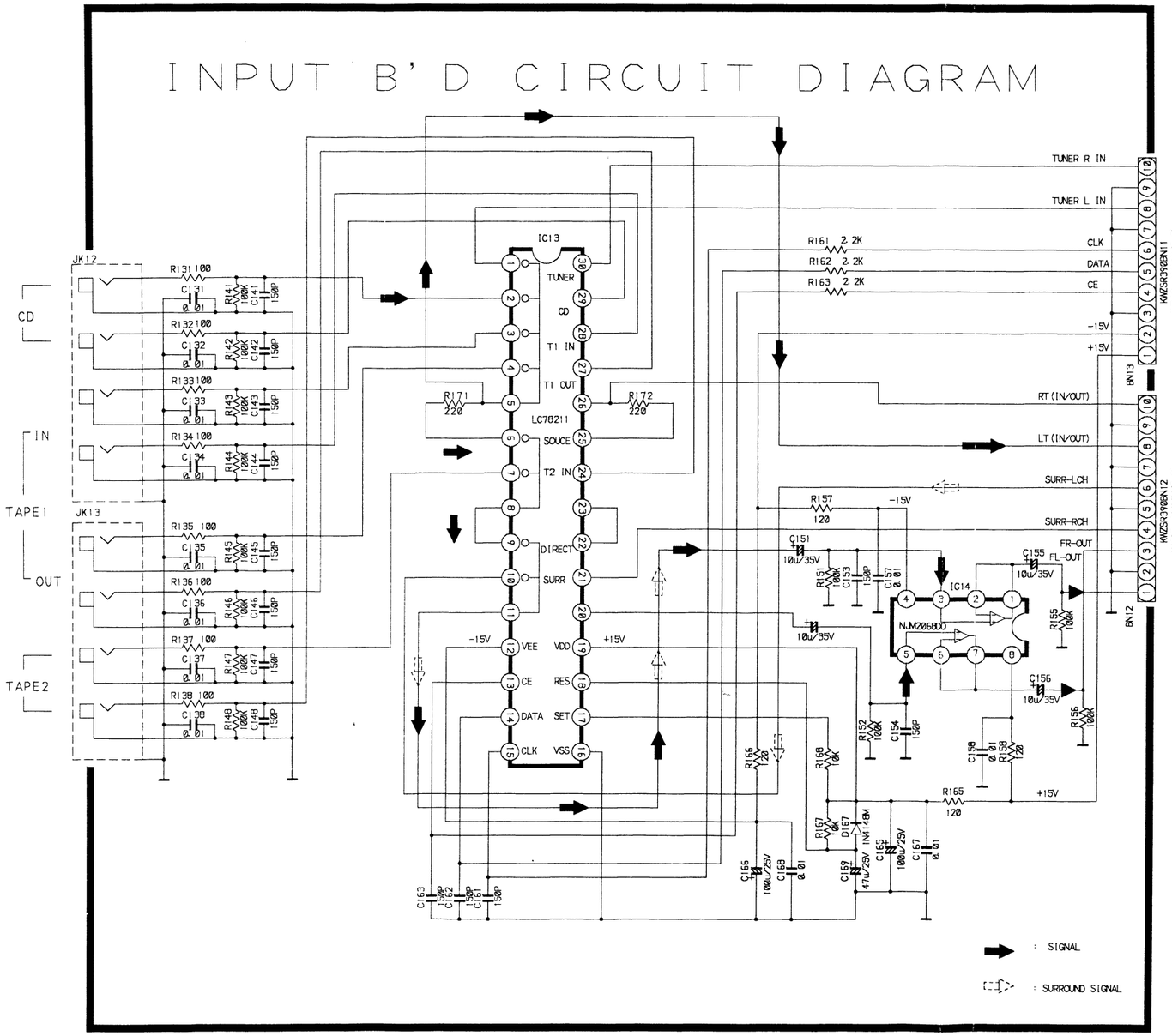

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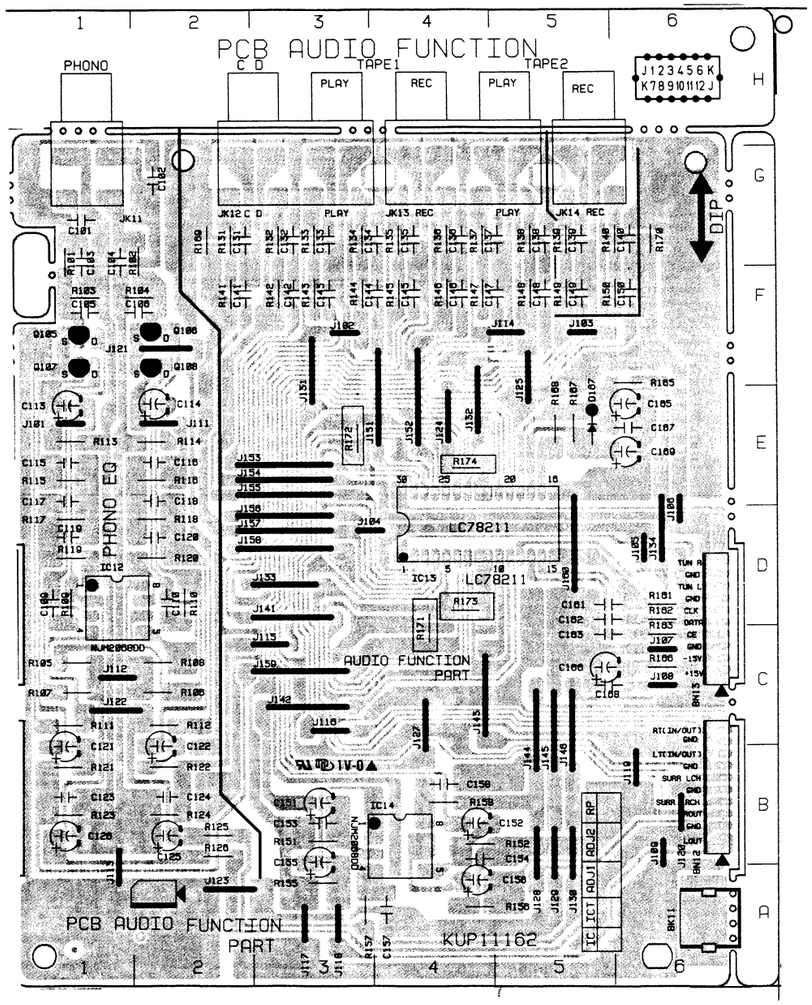
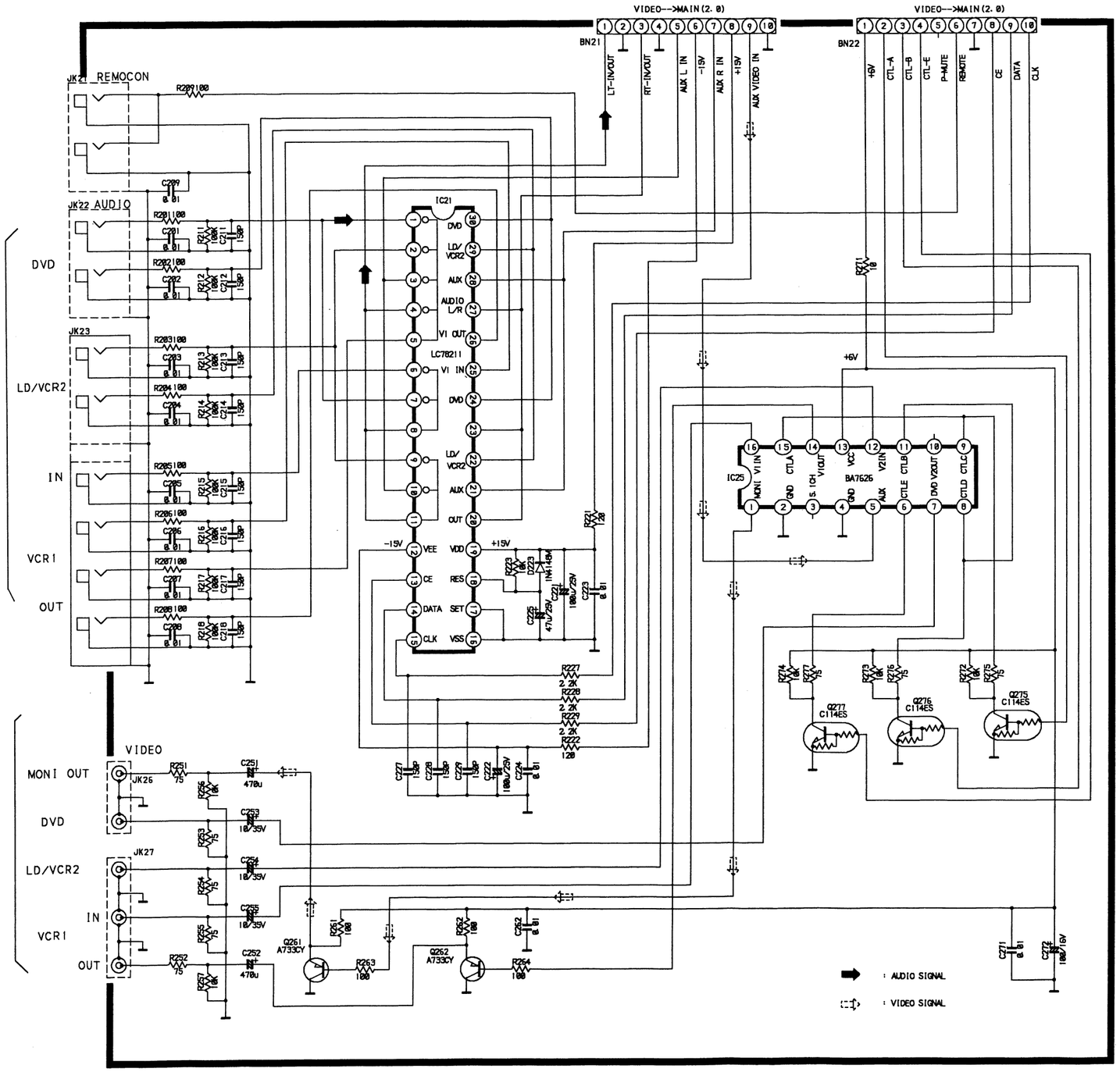
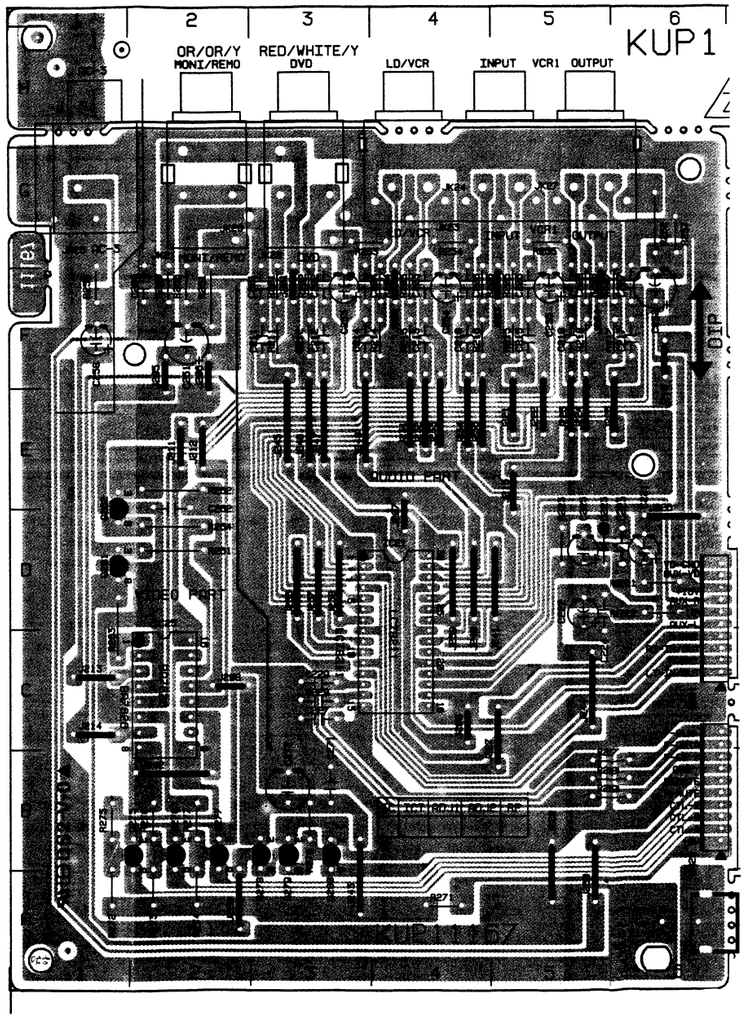


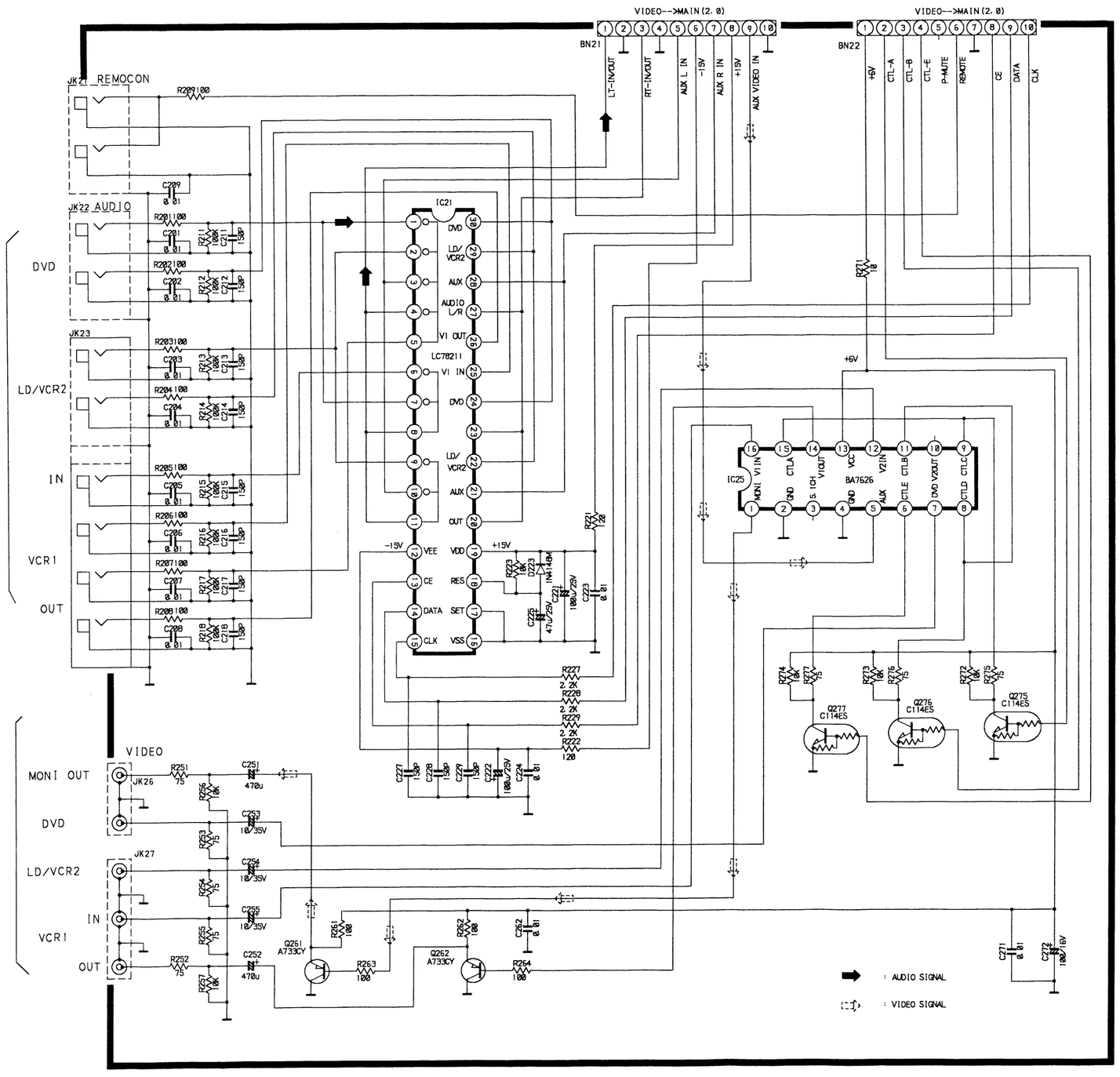
VIDEO SCHEMATIC DIAGRAM



VIDEO PRINTED CIRCUIT BOARD



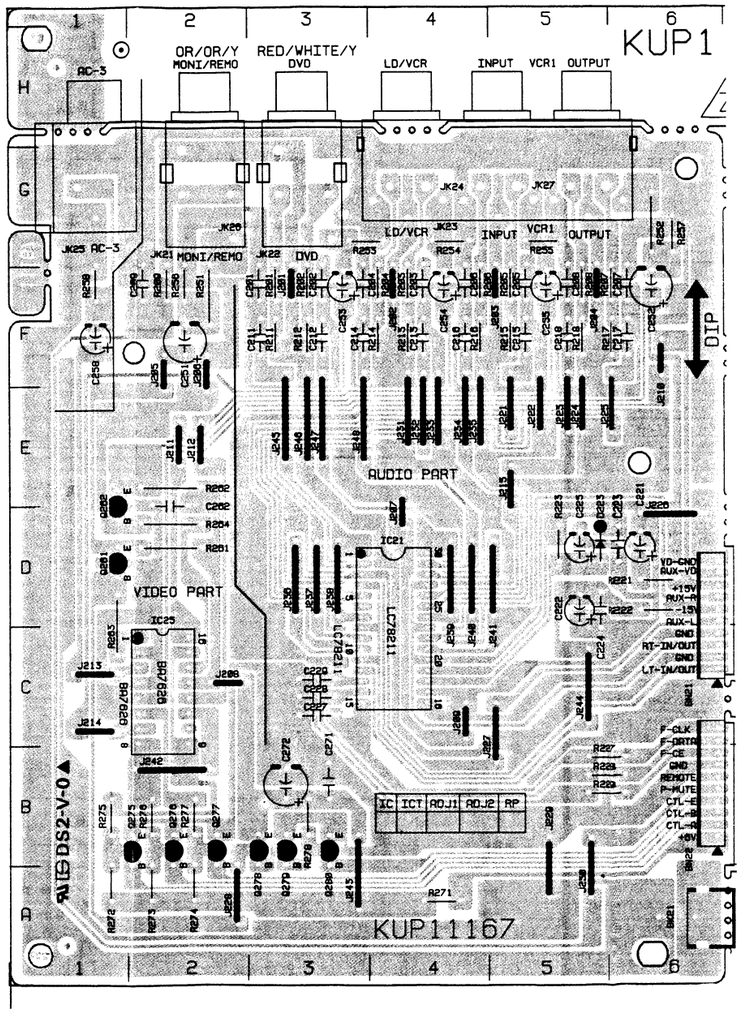
VIDEO SCHEMATIC DIAGRAM



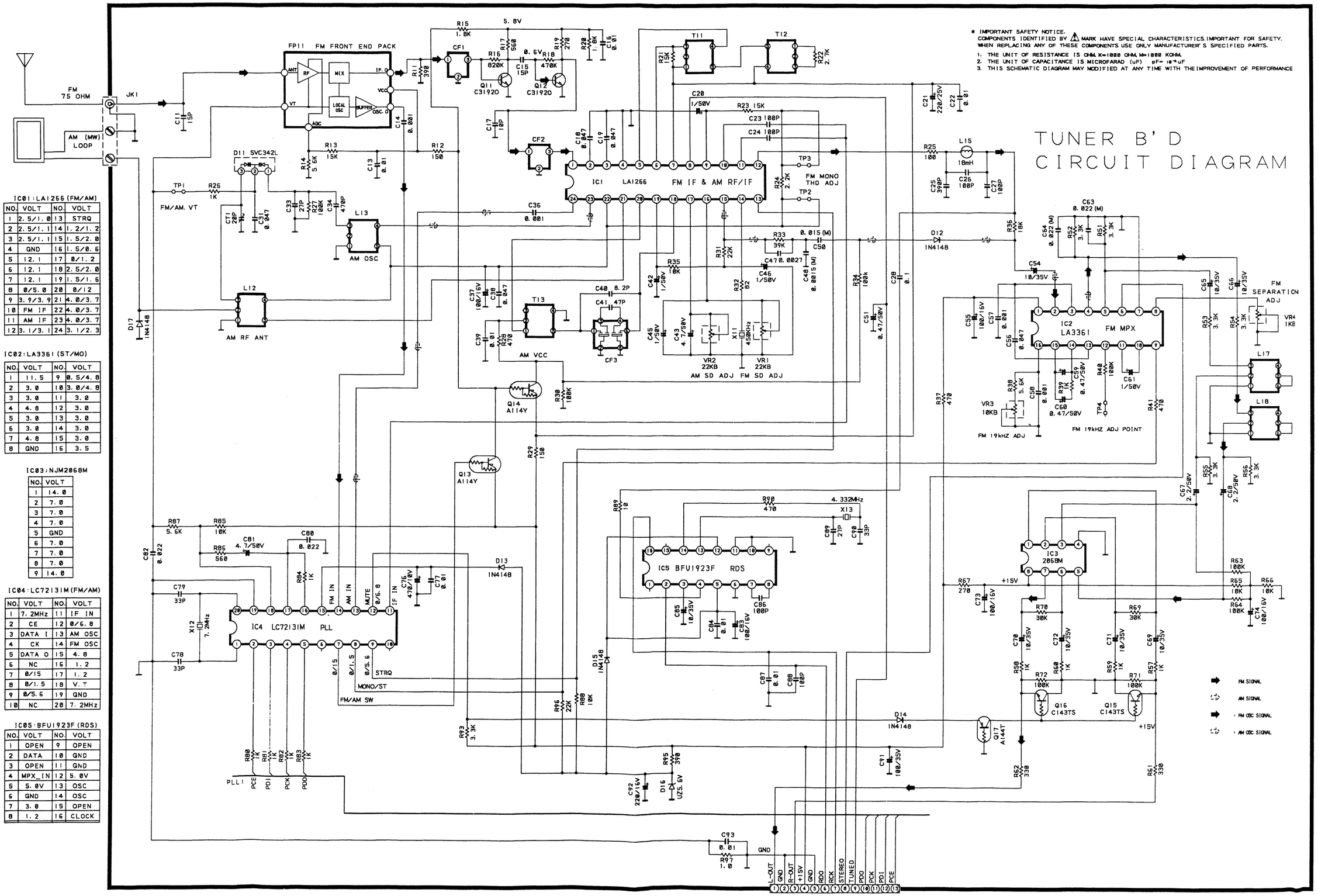
VIDEO PRINTED CIRCUIT BOARD

Q262 IC25
Q261 Q275~Q280

IC21



TUNER SCHEMATIC DIAGRAM



IC01:LA1256 (FM/AM)

NO.	VOLT	NO.	VOLT
1	2.5/1.0	13	STRQ
2	2.5/1.1	14	1.2/1.2
3	2.5/1.1	15	1.5/2.0
4	GND	16	1.5/0.6
5	12.1	17	0/1.2
6	12.1	18	2.5/2.0
7	12.1	19	1.5/1.6
8	0/5.0	20	0/12
9	3.9/3.9	21	4.0/3.7
10	FM IF	22	4.0/3.7
11	AM IF	23	4.0/3.7
12	3.1/3.1	24	3.1/2.3

IC02:LA3361 (ST/MO)

NO.	VOLT	NO.	VOLT
1	11.5	9	0.5/4.8
2	3.0	10	3.0/4.8
3	3.0	11	3.0
4	4.8	12	3.0
5	3.0	13	3.0
6	3.0	14	3.0
7	4.8	15	3.0
8	GND	16	3.5

IC03:NJM2068M

NO.	VOLT
1	14.0
2	7.0
3	7.0
4	7.0
5	GND
6	7.0
7	7.0
8	7.0
9	14.0

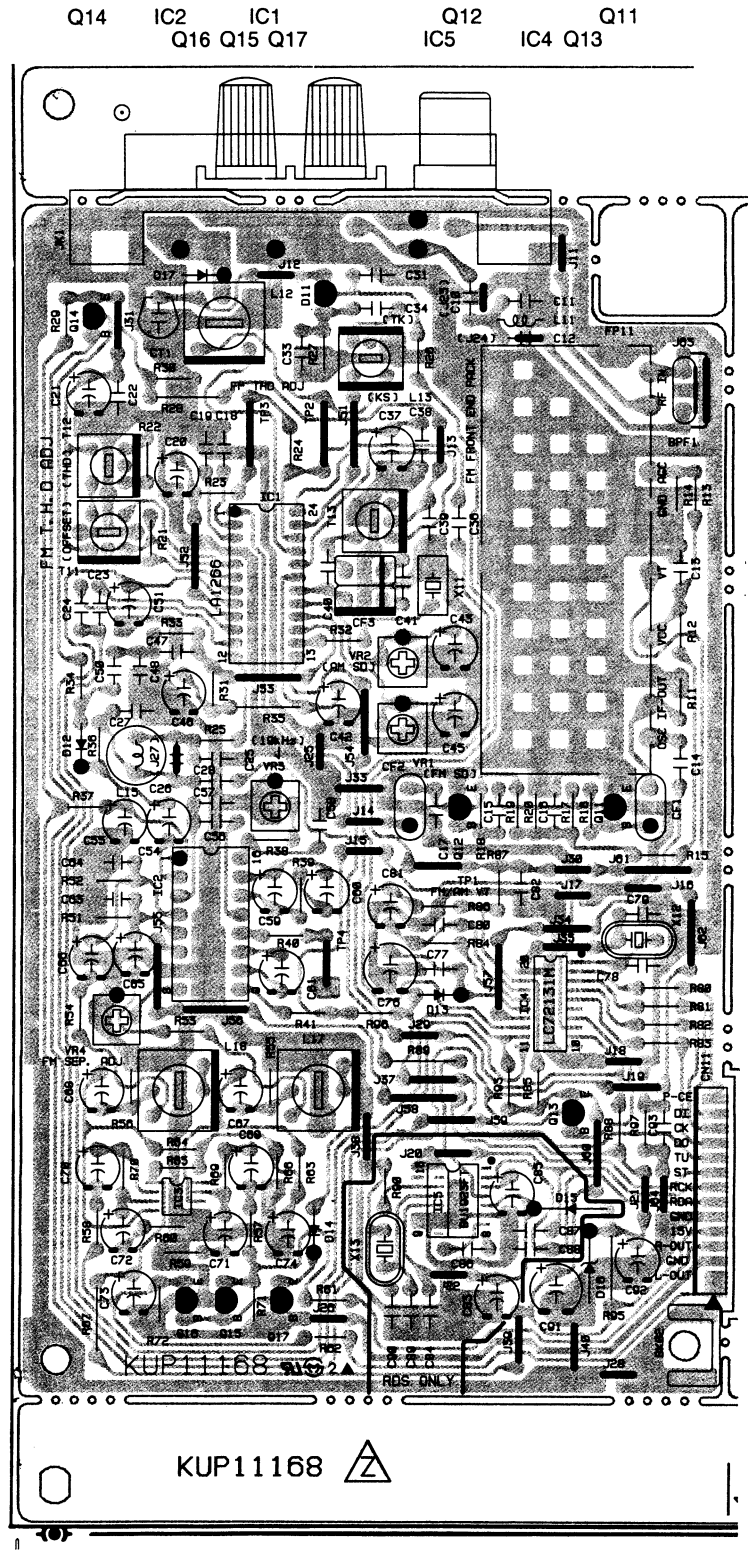
IC04:LC72131M (FM/AM)

NO.	VOLT	NO.	VOLT
1	7.2MHz	11	IF IN
2	CE	12	0/6.8
3	DATA I	13	AM OSC
4	CK	14	FM OSC
5	DATA O	15	4.8
6	NC	16	1.2
7	0/15	17	1.2
8	0/1.5	18	V.T
9	0/5.6	19	GND
10	NC	20	7.2MHz

IC05:BFU1923F (RDS)

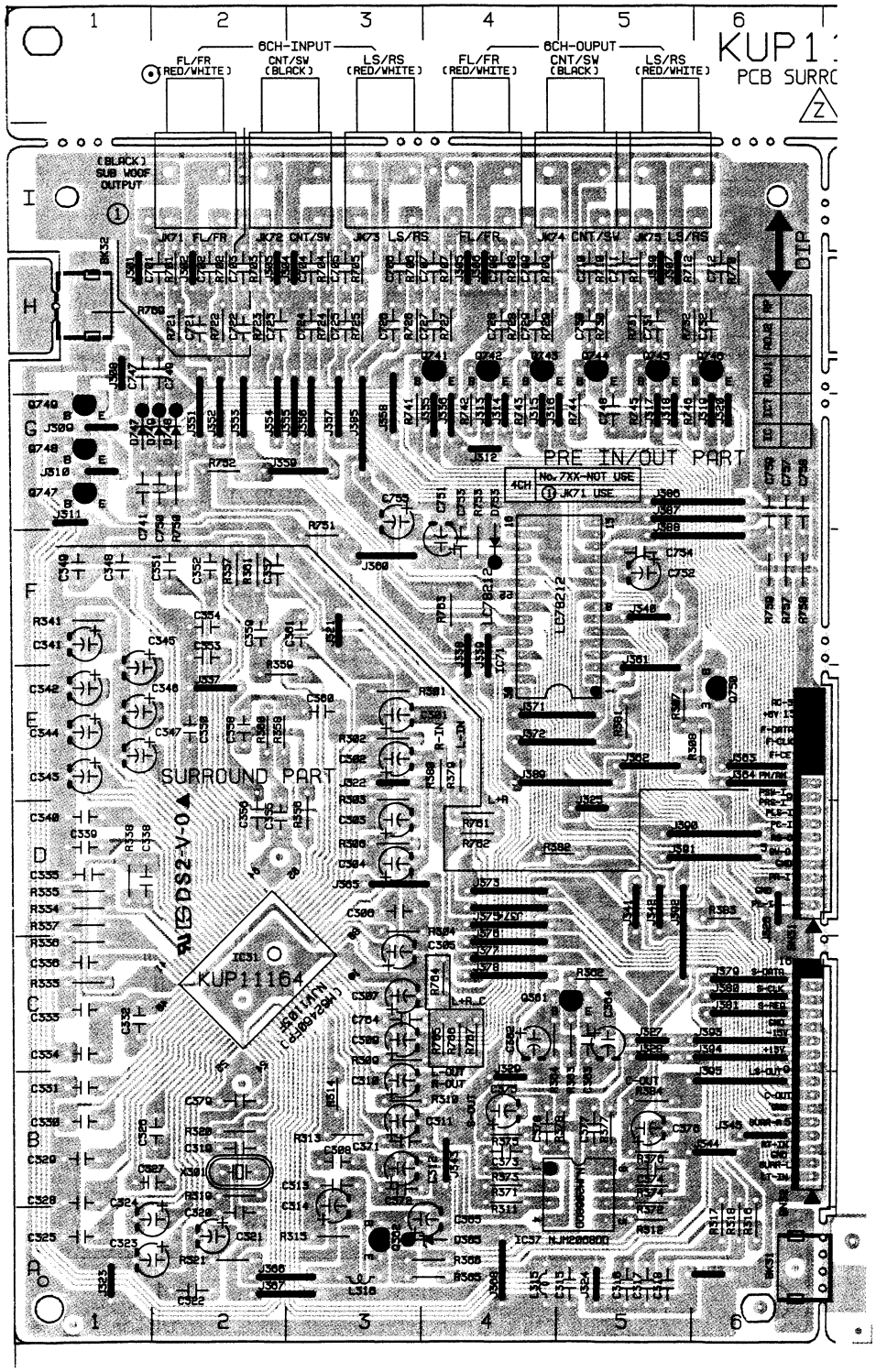
NO.	VOLT	NO.	VOLT
1	OPEN	9	OPEN
2	DATA	10	GND
3	OPEN	11	GND
4	MPX_IN	12	5.0V
5	5.0V	13	OSC
6	GND	14	OSC
7	3.0	15	OPEN
8	1.2	16	CLOCK

TUNER PRINTED CIRCUIT BOARD

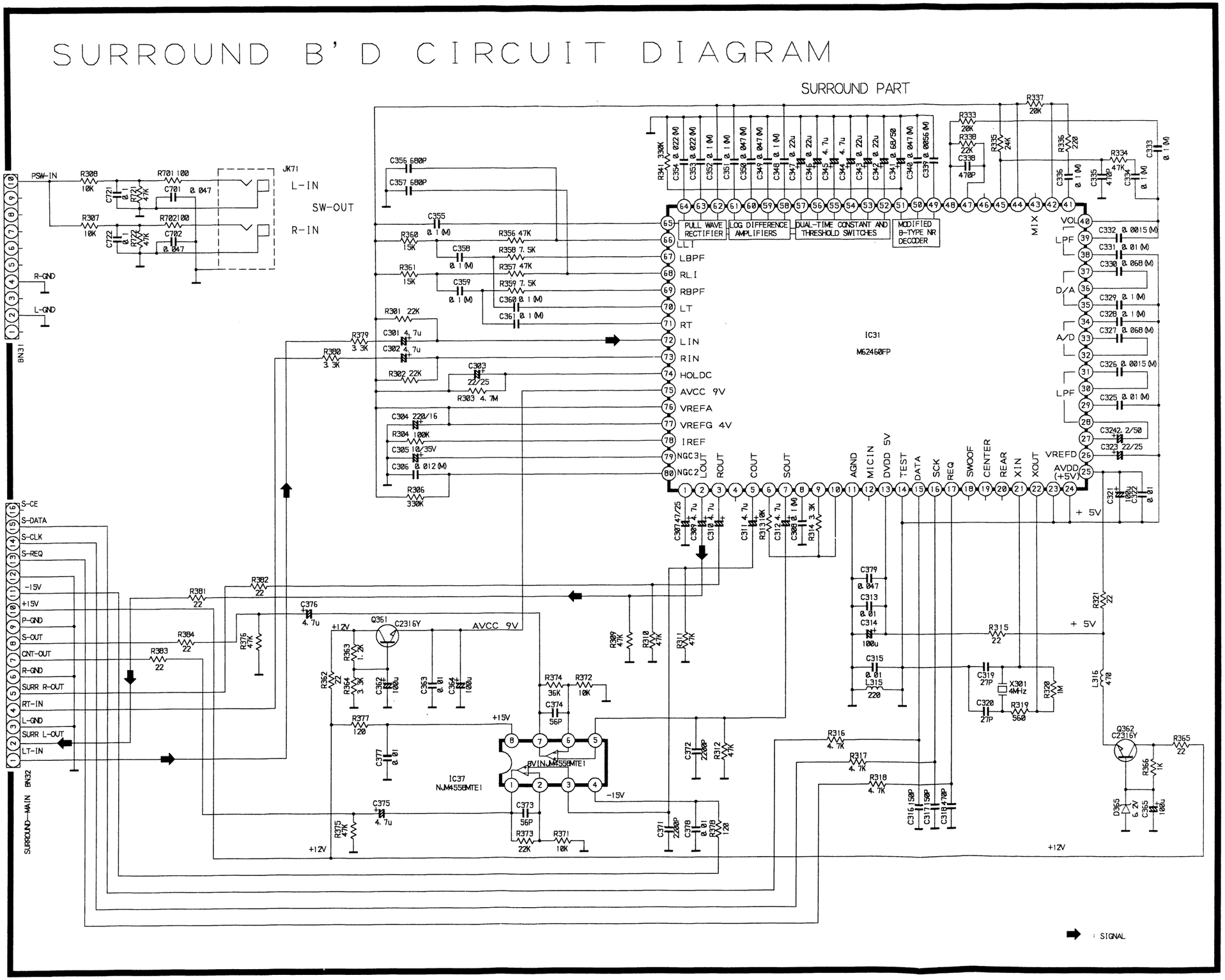


SURROUND PRINTED CIRCUIT BOARD

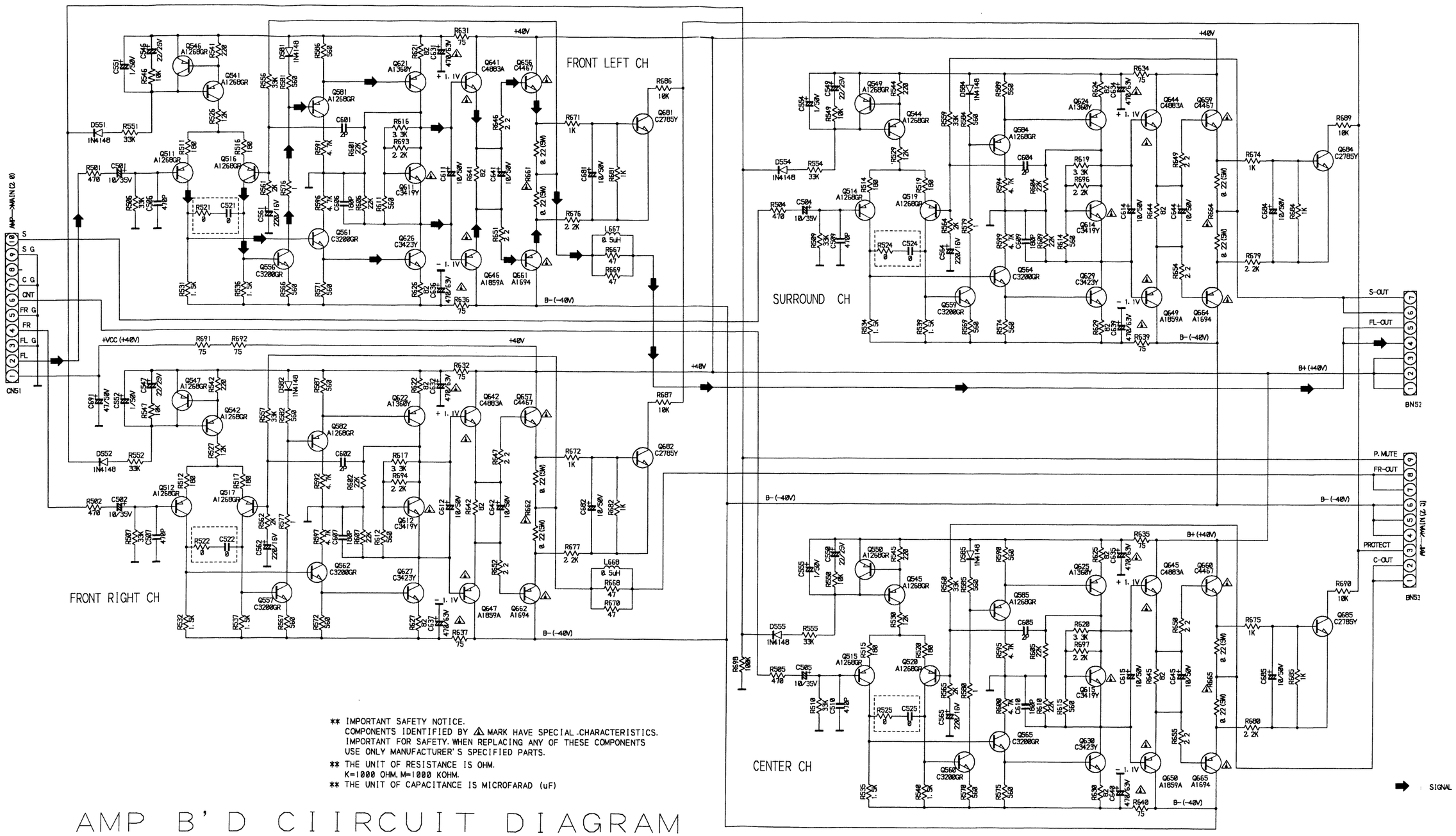
IC31 Q362 IC37
Q361



SURROUND SCHEMATIC DIAGRAM



AMP SCHEMATIC DIAGRAM



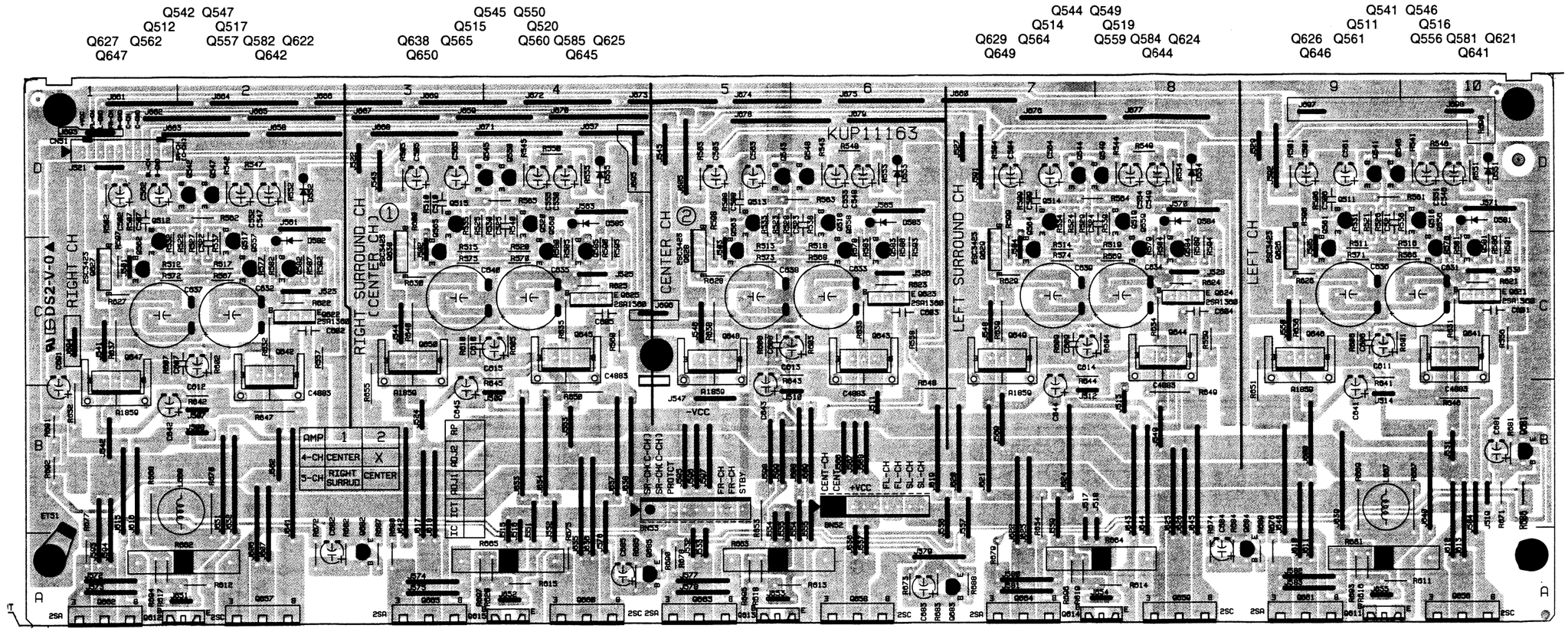
** IMPORTANT SAFETY NOTICE.
COMPONENTS IDENTIFIED BY ⚠ MARK HAVE SPECIAL CHARACTERISTICS.
IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY MANUFACTURER'S SPECIFIED PARTS.

** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.

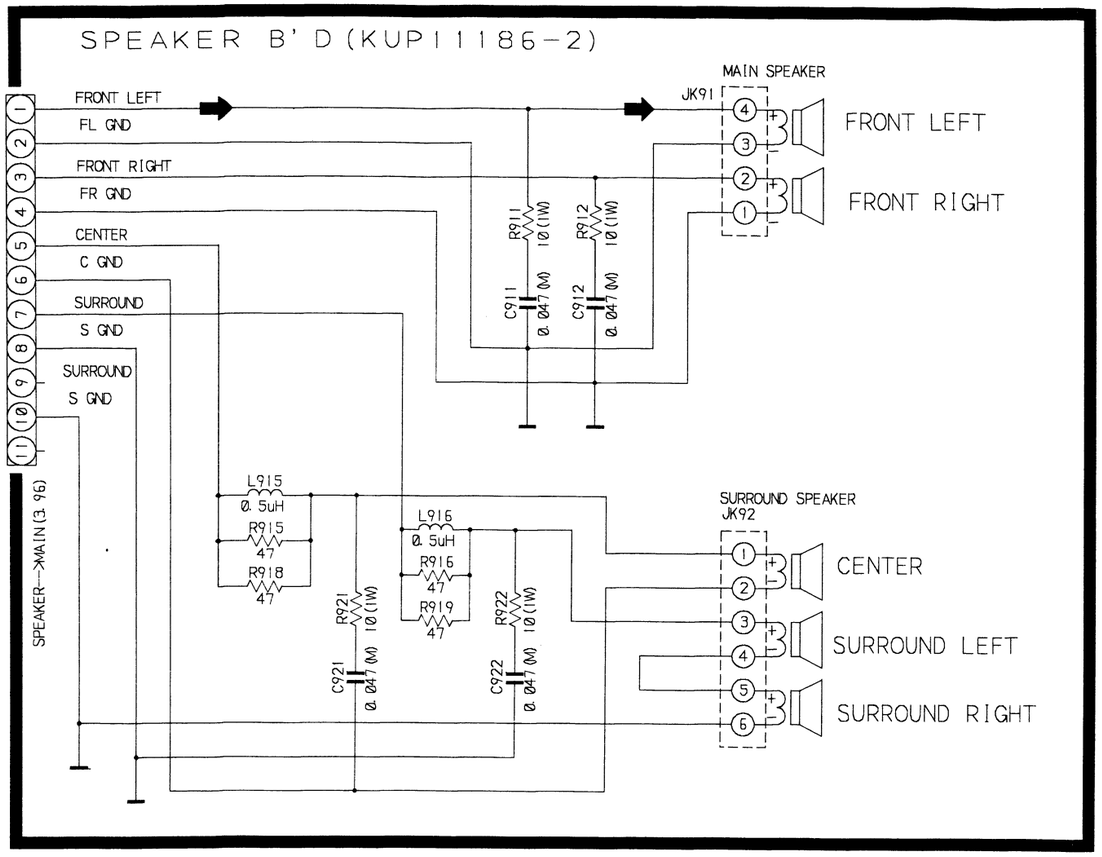
** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)

AMP B'D CIIRCUIT DIAGRAM

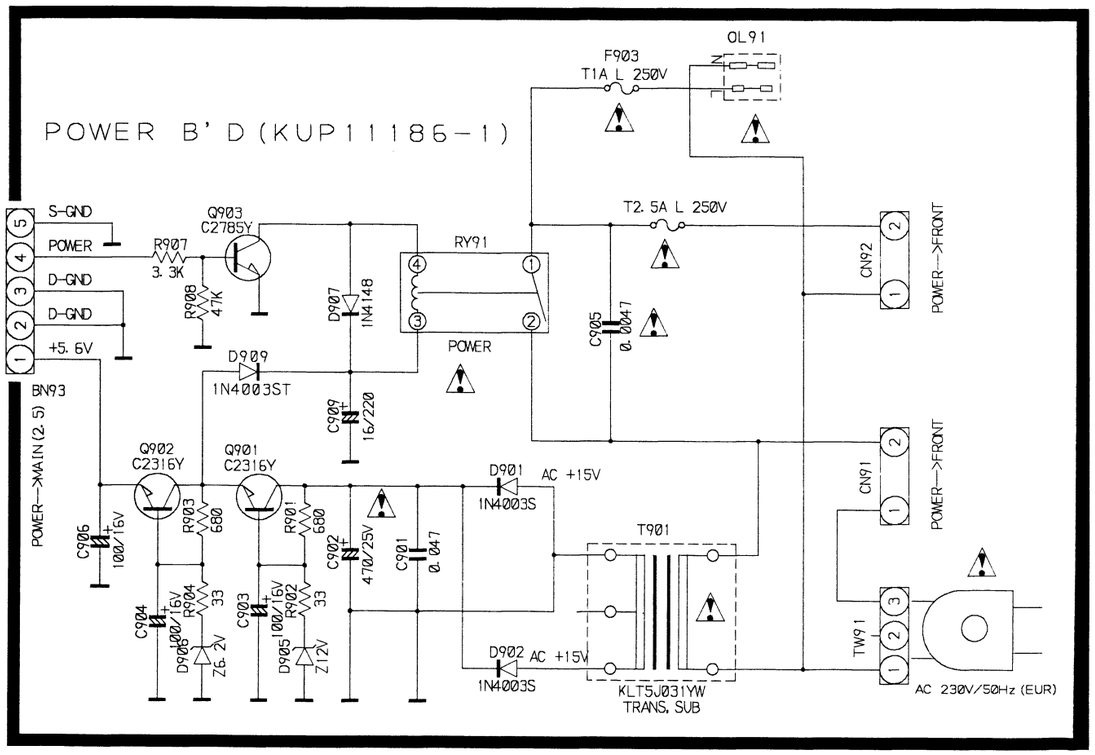
AMP PRINTED CIRCUIT BOARD



SPEAKER SCHEMATIC DIAGRAM



POWER SCHEMATIC DIAGRAM



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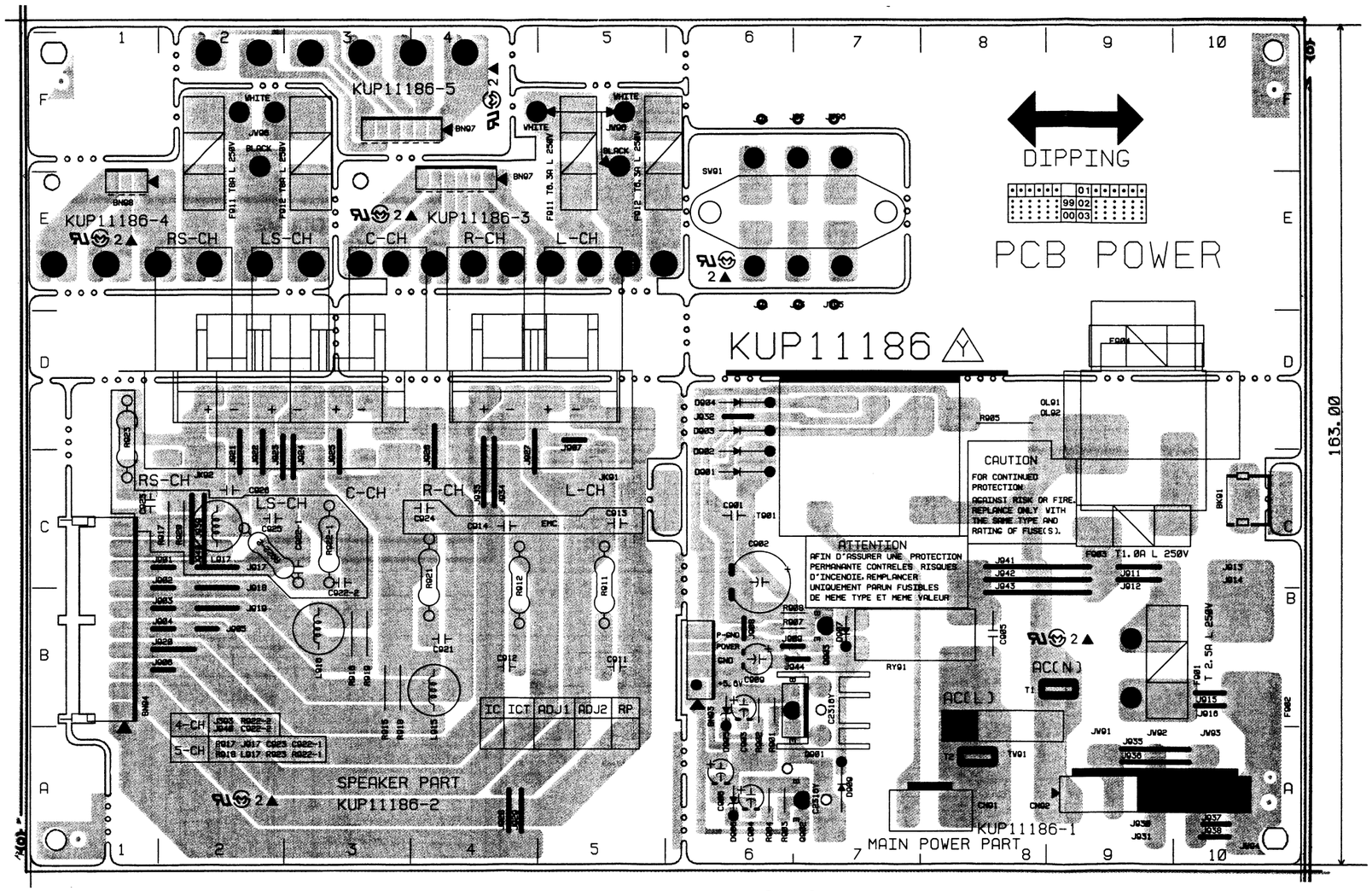
1. THE UNIT OF RESISTANCE IS OHM. K=1000 OHM, M=1000 KOHM.
2. THE UNIT OF CAPACITANCE IS MICROFARAD (uF) pF= 10^{-6} uF
3. THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE IMPROVEMENT OF PERFORMANCE

SPEAKER PRINTED CIRCUIT BOARD

POWER PRINTED CIRCUIT BOARD



Q901 Q903
Q902

CONTROL SCHEMATIC DIAGRAM

KUP11160-1 u-COM B' D

IC81 TMP87PM78F

PORT OPTION	AREA			5 CH	PHONO	RDS
PORT	B3	B4	B5	B6	B7	B8
EUR	—	H	—	—	—	—
NO 6 CH	—	—	—	L	—	—
6 CH	—	—	—	H	—	—
NO PHONO	—	—	—	—	L	—
PHONO	—	—	—	—	H	—
RDS	—	—	—	—	—	L
NO RDS	—	—	—	—	—	H

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2. THE UNIT OF CAPACITANCE IS MICROFARAD (uF) pF= ua→uF
3. THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE IMPROVEMENT OF PERFORMANCE

POWER SWITCH

KUP11160-5
POWER S/W B' D

SPEAKER SW & HEADPHONE

KUP11160-4 HEADPHONE B' D

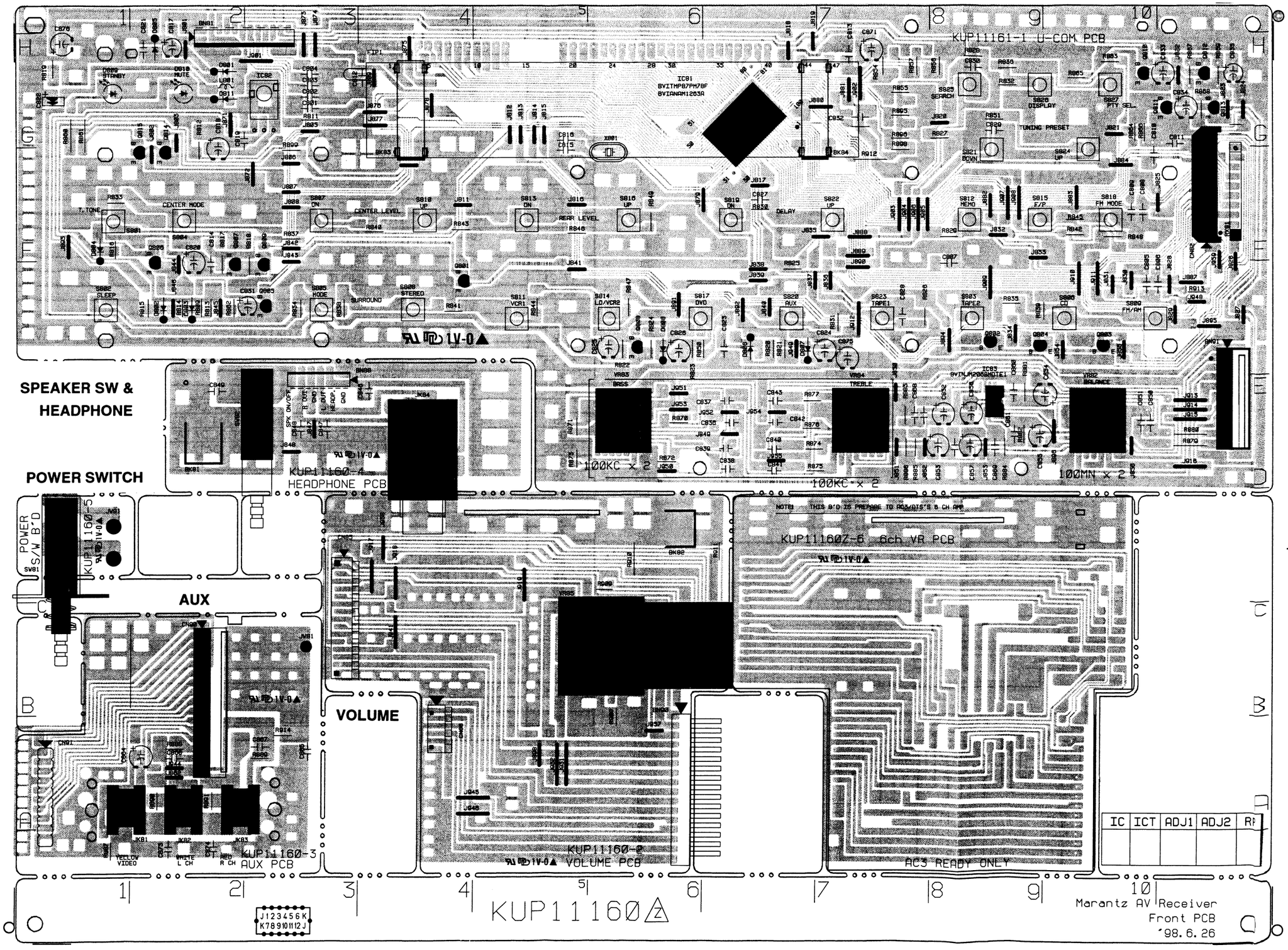
VOLUME

AUX

KUP11160-3 AUX B' D

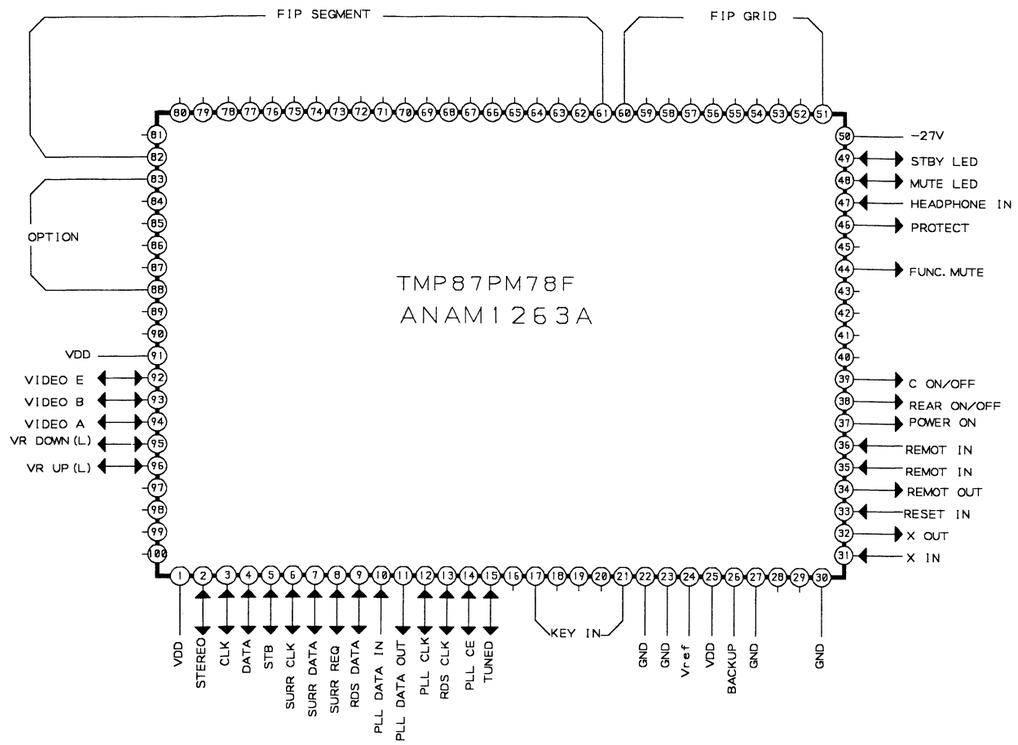
FRONT B' D CIRCUIT DIAGRAM

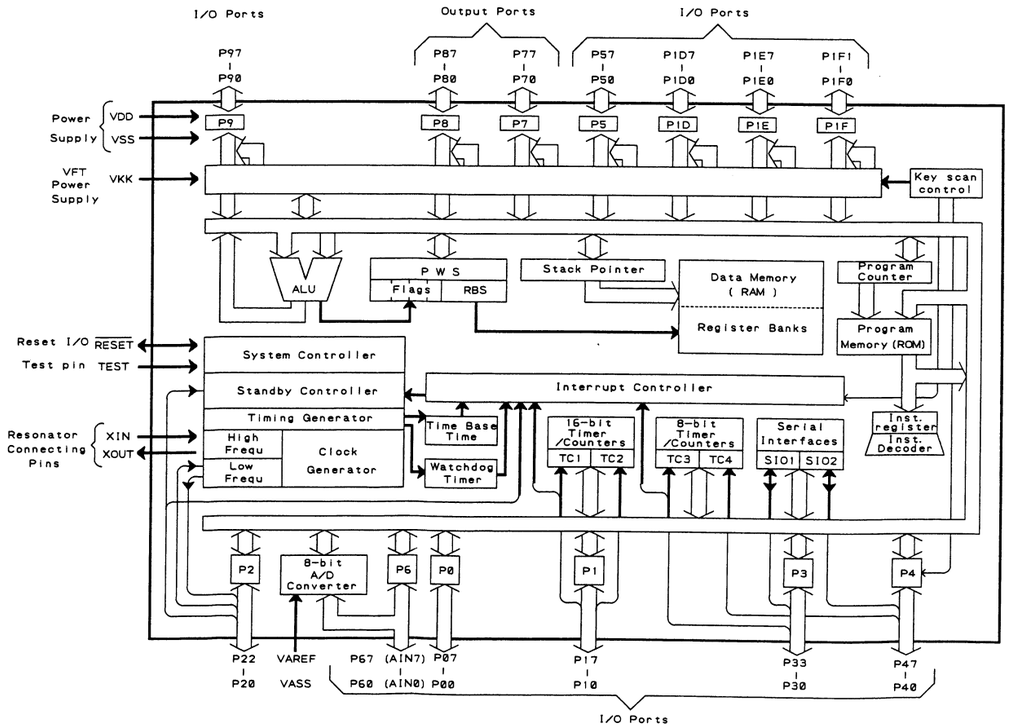
CONTROL PRINTED CIRCUIT BOARD



IC	ICT	ADJ1	ADJ2	RF

5. MICROPROCESSOR DESCRIPTIONS





IC81 INPUT & OUTPUT TERMINAL FUNCTIONS.

PIN NO.	SYMBOL	DESCRIPTION
1	VDD	+ 5V POWER SUPPLY.
2	STEREO	INPUT FOR DETECTING FM STEREO.(AT"L",IT IS ACTIVE.)
3	CLK	CLOCK OUT
4	DATA	DATA OUTPUT
5	STB	STROBE
6	SURR CLK	SURROUND CLOCK OUT
7	SURR DATA	SURROUND DATA OUT
8	SURR REQ	SURROUND REQUEST
9	RDS DATA	TUNER RDS DATA OUT
10	PLL DATA IN	TUNER PLL DATA IN
11	PLL DATA OUT	TUNER PLL DATA OUT
12	PLL CLK	TUNER PLL CLOCK OUT
13	RDS CLK	TUNER RDS CLOCK OUT
14	PLL CE	TUNER PLL CHIP ENABLE
15	TUNED	INPUT FOR DETECTING THE STATION DURING TUNING. WHEN THE STATION IS DETECTED,"L"IS INPUTTED.
16	NC	NOT USED!
17~21	KEY IN	DATA INPUT FOR KEY SCAN.
22~23	GND	GROUND.
24	Vref	VOLTAGE FOR REFERNECE.
25	VDD	+ 5V POWER SUPPLY.
26	BACKUP	POWER IS OFFED,DATA INPUT"L"AND LAST MEMORY IS ACTIVATED
27	GND	GROUND.
28~29	NC	NOT USED!
30	GND	GROUND.
31	X IN	INPUT FOR CRYSTAL OSCILATOR.
32	X OUT	OUTPUT FOR CRYSTAL OSCILATOR.
33	RESET IN	INPUT FOR RESETTING CPU.(AT "H",IT IS ACTIVE.)
34	REMOT OUT	OUTPUT FOR REMOT CONTROL DATA.
35~36	REMOT IN	INPUT FOR REMOT CONTROL DATA.
37	POWER ON	WHEN THE POWER IS "H",IT IS ACTIVE.
38	REAR ON/OFF	SWITCHING THE REAR OUTPUT.
39	C ON/OFF	SWITCHING THE CENTER OUTPUT.
40~43	NC	NOT USED!
44	FUNC. MUTE	MUTING WHEN CHANGE THE FUNCTION BUTTON.
45	NC	NOT USED!
46	PROTECT	SIGNAL INPUT FOR PROTECTION.(AT "L",IT IS ACTIVE)
47	HEADPHONE IN	INPUT FOR HEADPHONE.(AT "L",IT IS ACTIVE)
48	MUTE LED	INDICATING DURING THE MUTTED.(AT "L",IT IS ACTIVE)
49	STBY LED	INDICATING DURING THE STANDBY MODE.(AT "L",IT IS ACTIVE)
50	-27V	-27V POWER SUPPLY FOR FIP.
51~60	FIP GRID	PORTS FOR FIP GRID.
61~82	FIP SEGMENT	PORTS FOR FIP SEGMENT.
83~88	OPTION	REFERENCE FOR FRONT SCHEMATIC DIAGRAM.
89~90	NC	NOT USED!
91	VDD	+ 5V POWER SUPPLY.
92~94	VIDEO E,B,A	VIDEO CONTROL PORT "E","B","A"
95	VR DOWN(L)	OUTPUT TO DRIVE VOLUME MOTOR FOR DECREASING VR LEVEL.
96	VR UP(L)	OUTPUT TO DRIVE VOLUME MOTOR FOR INCREASING VR LEVEL.
97~100	NC	NOT USED!

6. MEASUREMENTS AND ADJUSTMENTS

ALIGNMENT INSTRUCTIONS

Equipment needed:

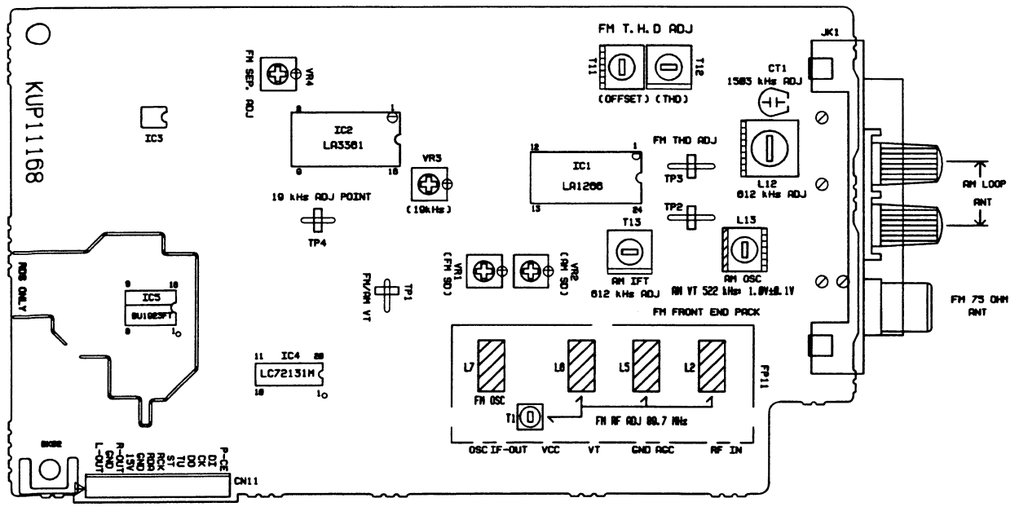
- AM Standard Signal Generator
- FM Standard Signal Generator
- Oscilloscope
- VTVM (AC, DC)
- AM Test Loop Antenna (AM Adjustment)
- FM Dummy Antenna (FM Adjustment)
- Stereo Signal Generator (RDS IN : EUROPE ONLY)
- Frequency Counter
- Distortion Analyser

IMPORTANT

1. Check power-source voltage.
2. Set the function switch to band aligned.
3. Keep the signal input as low as possible to adjust accurately.
4. Modulation and Modulation frequency.

Item / Band	Modulation	Modulation frequency
AM	30 %	400 Hz
FM	MONO: 40 kHz DEV.	1 kHz
	STEREO: L=R (40 kHz), PILOT (7.5 kHz) 47.5 kHz DEV.	
	RDS: STEREO + RDS (1.2 kHz) 48.7kHz DEV.	

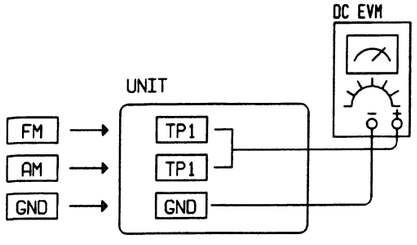
TUNER ADJUSTMENT POINT



(1) FM, AM TRACKING VOLTAGE ADJUSTMENT

AM, FM DC Voltmeter -- Connect to test point TP1 and GND

No	Band	Frequency	Adjust for	Adjustment
1	FM	87.50 MHz	1.6 V	L7
2	AM	522 kHz	1.0 V	L13

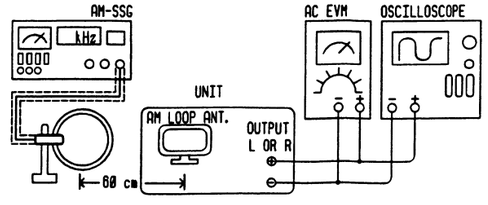


(2) AM RF ADJUSTMENT

Signal Generator ---- Connect to the AM Ant. Coil through the loop antenna.

Adjust for indication of VTVM of the wave form of scope to be maximum.

Band	Step	Frequency	Adjust for	Adjustment
AM	1	612 kHz	Maximum sens.	L12, T13
	2	1503 kHz	Maximum sens.	CT1
	3	Repeat steps 1 and 2 several times		

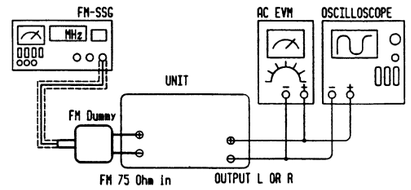


(3) FM RF ADJUSTMENT

Signal Generator ---- Connect to FM Ant. (FM 75 ohm) through the dummy.

Adjust for indication of VTVM of the wave form of scope to be maximum.

Band	Step	Frequency	Adjust for	Adjustment
FM	1	90.10 MHz	Maximum sens.	L2, L5, L6, T1
	2	Repeat step 1 several times		



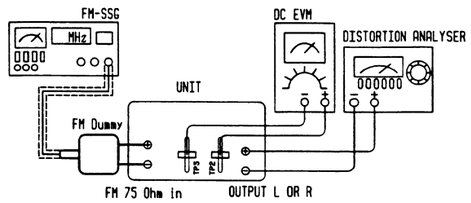
(4) FM MONO DISTORTION ADJUSTMENT

Signal Generator ---- Connect to FM Ant. (FM 75 ohm) through the dummy.

DC Voltmeter ---- Connect to TP2(+), TP3(-) through the choke coil (100μH)

Distortion Meter ------ Connect to output L or R

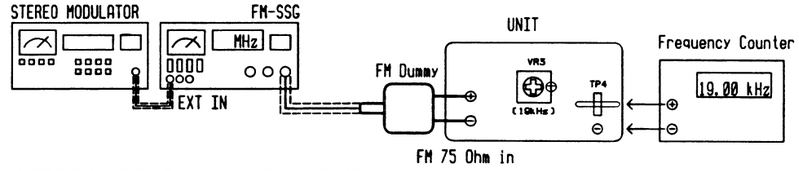
Band	Step	Frequency	Adjust for	Adjustment
FM	1	100.50 MHz	DC Volt 0V	T11
	2	100.50 MHz	Minimum T.H.D	T12
	3	Repeat steps 1 and 2 several times		



(5) FM MPX VCO ADJUSTMENT

Signal Generator ---- Connect to FM Ant. (FM 75 ohm) through the dummy.

Band	Frequency	SSG Condition	Adjust for	Adjustment
FM	100.50 MHz	Modulation ------- 0 %	19.00 kHz + 30 Hz	VR3
		Modulation Frequency ---- 0 Hz		
		Output Level ---------- 66 dB		

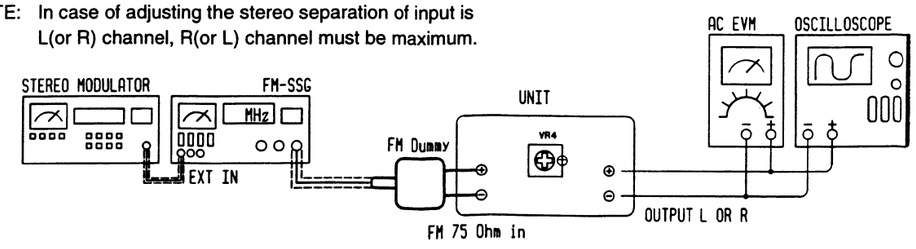


(6) FM STEREO SEPARATION ADJUSTMENT

Signal Generator ---- Connect to FM Ant. (FM 75 ohm) through the dummy.

Band	Frequency	SSG Condition	Adjust for	Adjustment
FM	100.50 MHz	Modulation ------- L or R only	Different of R or L must be maximum	VR4
		Modulation Frequency ---- 1 kHz		
		Output Level ---------- 66 dB		

NOTE: In case of adjusting the stereo separation of input is L(or R) channel, R(or L) channel must be maximum.

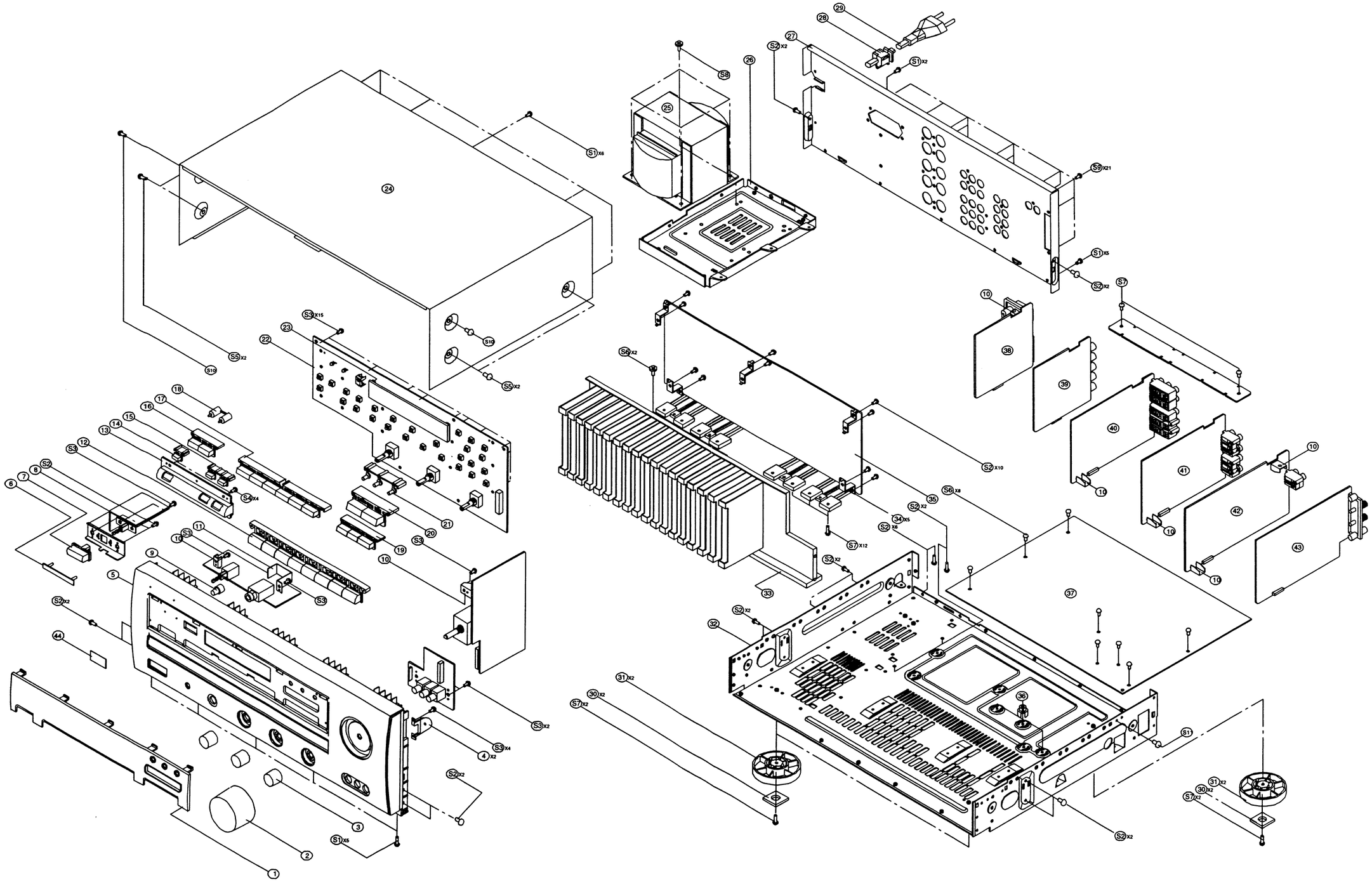


(7) AM, FM AUTO STOP LEVEL ADJUSTMENT

Signal Generator ---- Connect to FM Ant. (FM 75 ohm) through the dummy.
---- Connect to the AM Ant. Coil through the loop antenna.

Band	Step	Frequency and Level	Adjust for	Adjustment
FM	1	100.50 MHz, 30 dB	TUNED Display off	VR1
	2	100.50 MHz, 30 dB	TUNED Display on	VR1
AM	1	990 kHz, 80 dB	TUNED Display off	VR2
	2	990 kHz, 80 dB	TUNED Display on	VR2

7. EXPLODED VIEW AND PARTS LIST



(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, ••:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
1		4822 450 10637	FRONT WINDOW (/02)	253W158020
2		4822 410 12377	VOLUME KNOB	253W154010
3		4822 410 12378	BALANCE KNOB	253W154100
4		nsp	TOP BRACKET	nsp
5		4822 459 05279	FRONT PANEL	253W248010
6		nsp	BADGE	nsp
7		4822 410 12376	POWER KNOB	230W154010
8		nsp	POWER BRACKET	nsp
9		4822 410 12379	SPEAKER KNOB	253W154090
10		nsp	PCB BRACKET	nsp
11		nsp	PCB BRACKET	nsp
12		4822 410 12381	FUNCTION KNOB	253W154080
13		4822 454 13451	FRONT ORNAMENT	253W063010
14		4822 410 12382	SLEEP KNOB	253W154070
15		4822 410 12383	MODE KNOB	253W154170
16		4822 410 12384	TONE KNOB	253W154020
17		4822 410 12385	LEVEL KNOB	253W154030
18		4822 381 12087	ST. INDICATOR	253W265010
19		4822 410 12386	MEMORY KNOB	253W154060
20		4822 410 12387	TUNING KNOB	253W154050
21		4822 410 12388	DISPLAY KNOB	253W154040
22		nsp	FRONT PCB ASSY	nsp
23		nsp	FLT BRACKET	nsp
24		nsp	TOP CABINET	nsp
26		nsp	TRANS BRACKET	nsp
27		nsp	REAR PANEL	nsp
28		nsp	AC CORD BUSHING	nsp
29		nsp	POWER CORD	nsp
30		nsp	RUBBER CUSHION	nsp
31		nsp	FOOT	nsp
32		nsp	BOTTOM CHASSIS	nsp
33		nsp	HEAT SINK	nsp
34		nsp	PCB BRACKET	nsp
35		nsp	AMP PCB ASSY	nsp
36		nsp	PCB HOLDER	nsp
37		nsp	MAIN PCB ASSY	nsp
38		nsp	MAIN POWER PCB ASSY-1	nsp
39		nsp	MAIN POWER PCB ASSY-2	nsp
40		nsp	VIDEO PCB ASSY	nsp
41		nsp	AUDIO INPUT PCB ASSY	nsp
42		nsp	SURROUND PCB ASSY	nsp
43		nsp	TUNER PCB ASSY	nsp
44		nsp	REMOCON FILTER	nsp
001Z		4822 219 10644	REMOTE CONTROLLER RC480SR	ZK237W0010
001T		4822 736 16808	USER GUIDE (DFU)	253W861060
S1		nsp	SCREW	nsp
S2		nsp	SCREW	nsp
S3		nsp	SCREW	nsp
S4		nsp	SCREW	nsp
S5		nsp	SCREW	nsp
S6		nsp	SCREW	nsp
S7		nsp	SCREW	nsp
S8		nsp	SCREW	nsp
S9		nsp	SCREW	nsp
S10		nsp	SCREW	nsp
S11		nsp	SCREW	nsp

8. ELECTRICAL PARTS LIST

ASSIGNMENT OF COMMON PARTS CODES.

RESISTORS

R * * * : 1) GD05 x x x 140, Carbon film fixed resistor, ±5% 1/4W
R * * * : 2) GD05 x x x 160, Carbon film fixed resistor, ±5% 1/6W
→ ① Resistance value

Examples
① Resistance value

0.1Ω	001	10Ω	100	1kΩ	102	100kΩ	104
0.5Ω	005	18Ω	180	2.7kΩ	272	680kΩ	684
1Ω	010	100Ω	101	10kΩ	103	1MΩ	105
6.8Ω	068	390Ω	391	22kΩ	223	4.7MΩ	475

Note : Please distinguish 1/4W from 1/6W by the shape of parts used actually.

CAPACITORS

C * * * : CERAMIC CAP.
3) DD1 x x x x 370, Ceramic capacitor
Disc type
Temp.coeff. P350~N1000, 50V
③ Capacity value
② Tolerance

Examples
② Tolerance (Capacity deviation)
± 0.25 pF 0
± 0.5 pF 1
± 5 % 5
* Tolerance of COMMON PARTS handled here are as follows :
0.5 pF - 5 pF ..... ± 0.25 pF
6 pF - 10 pF ..... ± 0.5 pF
12 pF - 560 pF ... ± 5 %
③ Capacity value

0.5 pF	005	3 pF	030	100 pF	101
1 pF	010	10 pF	100	220 pF	221
1.5 pF	015	47 pF	470	560 pF	561

C * * * : CERAMIC CAP.
4) DK16 x x x 300, High dielectric constant ceramic capacitor
Disc type
Temp.chara. 2B4, 50V
④ Capacity value

Examples
④ Capacity value

100 pF	101	1000 pF	102	10000 pF	103
470 pF	471	2200 pF	222		

C * * * : 5) ELECTROLY CAP.(⏚), 6)FILM CAP (⏚)
5) EA x x x x x x 10, Electrolytic capacitor
One-way lead type,Tolerance ±20%
⑥ Working voltage
⑤ Capacity value

Examples
⑤ Capacity value

0.1μF	104	4.7μF	475	100μF	107
0.33μF	334	10μF	106	330μF	337
1μF	105	22μF	226	1100μF	118
2200μF	228				

⑥ Working voltage

6.3 V	006	25 V	025
10 V	010	35 V	035
16 V	016	50 V	050

6) DF15 x x x 350 → Plastic film capacitor
DF15 x x x 310 → One-way type, Mylar ±5% 50V
DF16 x x x 310 → Plastic film capacitor
One-way type, Mylar ±10% 50V
⑦ Capacity value

Examples
⑦ Capacity value

0.001μF (1000 pF)	102	0.1μF	104
0.0018μF	182	0.56μF	564
0.01μF	103	1μF	105
0.015μF	153		

NOTE : 1) The above CODES(R * * * ,R * * * ,C * * * ,C * * * and C * * *) are omitted on the schematic diagram in some case.
2) On the occasion, be confirmed the common parts on the parts list.
3) Refer to "Common Parts List" for the other common parts(**RI05, DD4, DK4**).

NOTE ON SAFETY FOR FUSIBLE RESISTOR :

The suppliers and their type numbers of fusible resistors are as follows ;

1 . KOA Corporation

Part No.(MJI)	Type No.(KOA)	Description
NH05 x x x 140	→ RF25S x x x x Ω J	(±5% 1/4W)
NH05 x x x 120	→ RF50S x x x x Ω J	(±5% 1/2W)
NH85 x x x 110	→ RF73B2A x x x x Ω J	(±5% 1/10W)
NH95 x x x 140	→ RF73B2E x x x x Ω J	(±5% 1/4W)

* Resistance value Resistance value(0.1 Ω- 10k Ω)

2. Matsushita Electronic Components Co., Ltd

Part No.(MJI)	Type No.(MEC)	Description
NF05 x x x 140	→ ERD-2FCJ x x x	(±5% 1/4W)
RF05 x x x 140		
NF02 x x x 140	→ ERD-2FCG x x x	(±2% 1/4W)
RF02 x x x 140		

* Resistance value

Examples
* Resistance value

0.1Ω	001	10Ω	100	1kΩ	102	100kΩ	104
0.5Ω	005	18Ω	180	2.7kΩ	272	680kΩ	684
1Ω	010	100Ω	101	10kΩ	103	1MΩ	105
6.8Ω	068	390Ω	391	22kΩ	223	4.7MΩ	475

ABBREVIATION AND MARKS

ANT.	: ANTENNA	BATT.	: BATTERY
CAP.	: CAPACITOR	CER.	: CERAMIC
CONN.	: CONNECTING	DIG.	: DIGITAL
HP	: HEADPHONE	MIC.	: MICROPHONE
μ -PRO	: MICROPROCESSOR	REC.	: RECORDING
RES.	: RESISTOR	SPK	: SPEAKER
SW	: SWITCH	TRANSF.	: TRANSFORMER
TRIM.	: TRIMMING	TRS.	: TRANSISTOR
VAR.	: VARIABLE	X'TAL	: CRYSTAL

NOTE ON SAFETY:

Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol ⚠ Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

安全上の注意 :

⚠ がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

97092 A.O

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			FRONT CIRCUIT BOARD	
			CAPACITOR	
C801		nsp	CER. 100pF 50V K	nsp
C802		nsp	CER. 470pF 50V K	nsp
C803		nsp	CER. 100pF 50V K	nsp
C804		nsp	CER. 0.047µF 50V Z	nsp
C805				
∫		nsp	CER. 100pF 50V K	nsp
C812				
C813		nsp	CER. 0.01µF 25V Z	nsp
C814		nsp	CER. 470pF 50V K	nsp
C815		nsp	CER. 18pF 50V J	nsp
C816		nsp	CER. 18pF 50V J	nsp
C817		nsp	ELECT 47µF 16V	nsp
C818		nsp	ELECT 47µF 16V	nsp
C819		nsp	CER. 0.01µF 25V Z	nsp
C820		nsp	ELECT 47µF 16V	nsp
C821		nsp	CER. 0.01µF 25V Z	nsp
C823		nsp	CER. 0.01µF 25V Z	nsp
C824		nsp	ELECT 47µF 16V	nsp
C825		nsp	ELECT 1µF 50V	nsp
C826		nsp	ELECT 47µF 16V	nsp
C827				
∫		nsp	CER. 100pF 50V K	nsp
C830				
C831		nsp	ELECT 4.7µF 16V	nsp
C832		nsp	CER. 0.01µF 25V Z	nsp
C833		nsp	ELECT 10µF 16V	nsp
C834		nsp	ELECT 10µF 16V	nsp
C835		nsp	ELECT 47µF 16V	nsp
C836		nsp	MYLAR 0.018µF 50V J	nsp
C837		nsp	MYLAR 0.018µF 50V J	nsp
C838		nsp	MYLAR 0.082µF 50V J	nsp
C839		nsp	MYLAR 0.082µF 50V J	nsp
C840		nsp	MYLAR 3300pF 50V J	nsp
C841		nsp	MYLAR 3300pF 50V J	nsp
C842		nsp	MYLAR 0.018µF 50V J	nsp
C843		nsp	MYLAR 0.018µF 50V J	nsp
C850		nsp	CER. 0.01µF 25V Z	nsp
C851		nsp	CER. 0.01µF 25V Z	nsp
C852				
∫		nsp	ELECT 10µF 16V	nsp
C857				
C860		nsp	CER. 56pF 50V J	nsp
C861		nsp	CER. 56pF 50V J	nsp
C868		nsp	CER. 100pF 50V K	nsp
C869		nsp	CER. 100pF 50V K	nsp
C871		nsp	ELECT 100µF 16V	nsp
C875		nsp	ELECT 100µF 16V	nsp
C876		nsp	ELECT 100µF 16V	nsp
			CONNECTOR	
CN82		nsp	WAFER CARDCABLE 1.25MM(21PIN)	nsp
CN91		nsp	WAFER PIN 3022(10PIN)	nsp
			DIODE	
D801				
∫		4822 130 30621	1N4148	QP13030621
D808				
D811		4822 130 30621	1N4148	QP13030621
			LED	
D809		4822 130 11608	SLR342VCF02 RED	*HI100810R
D810		4822 130 11608	SLR342VCF02 RED	*HI100810R
			IC	
IC81		4822 209 17456	MICROPROCESSOR TMP87PM78F	*HU100310R

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
IC82		4822 209 13744	GP1U270R IR SENSOR	*HW100420R
IC83		5322 209 13406	NJM2068MD OP AMP	*HC104840R
			TRANSISTOR	
Q801				
∫		4822 130 61227	DTA114ES	BA10007210
Q805				
Q806		4822 130 11611	KSA1175Y	*HT100390R
Q807		4822 130 11609	KSC2785Y	*HT300590R
Q808		4822 130 11613	KSB811Y	*HT200340R
Q809		4822 130 60588	DTC114ES	BA20010210
Q810		4822 130 11612	KSD1021Y	*HT400380R
Q811		4822 130 11612	KSD1021Y	*HT400380R
Q812		4822 130 11613	KSB811Y	*HT200340R
Q813		4822 130 11613	KSB811Y	*HT200340R
Q814		4822 130 61227	DTA114ES	BA10007210
Q815		4822 130 61227	DTA114ES	BA10007210
			RESISTOR	
R809		nsp	4.7k Ω 1/5W J	nsp
R811		nsp	1k Ω 1/5W J	nsp
R812		nsp	10 Ω 1/5W J	nsp
R813		nsp	10 Ω 1/5W J	nsp
R814		nsp	10k Ω 1/5W J	nsp
R815		nsp	4.7k Ω 1/5W J	nsp
R816		nsp	1.8k Ω 1/5W J	nsp
R817		nsp	22k Ω 1/5W J	nsp
R818		nsp	10k Ω 1/5W J	nsp
R819		nsp	10 Ω 1/5W J	nsp
R820		nsp	100 Ω 1/5W J	nsp
R821		nsp	100k Ω 1/5W J	nsp
R822		nsp	10k Ω 1/5W J	nsp
R823		nsp	47k Ω 1/5W J	nsp
R824				
∫		nsp	10k Ω 1/5W J	nsp
R828				
R829		nsp	1.5k Ω 1/5W J	nsp
R830		nsp	1k Ω 1/5W J	nsp
R831		nsp	1k Ω 1/5W J	nsp
R832		nsp	1k Ω 1/5W J	nsp
R833		nsp	7.5k Ω 1/5W J	nsp
R834		nsp	7.5k Ω 1/5W J	nsp
R835		nsp	7.5k Ω 1/5W J	nsp
R836		nsp	1.5k Ω 1/5W J	nsp
R837		nsp	5.6k Ω 1/5W J	nsp
R838		nsp	5.6k Ω 1/5W J	nsp
R839		nsp	5.6k Ω 1/5W J	nsp
R840		nsp	3.3k Ω 1/5W J	nsp
R841		nsp	3.3k Ω 1/5W J	nsp
R842		nsp	1.8k Ω 1/5W J	nsp
R843		nsp	2.7k Ω 1/5W J	nsp
R844		nsp	2.7k Ω 1/5W J	nsp
R845		nsp	2.7k Ω 1/5W J	nsp
R846		nsp	1.8k Ω 1/5W J	nsp
R847		nsp	1.8k Ω 1/5W J	nsp
R848		nsp	3.3k Ω 1/5W J	nsp
R849		nsp	1.5k Ω 1/5W J	nsp
R850		nsp	1.5k Ω 1/5W J	nsp
R851		nsp	1k Ω 1/5W J	nsp
R854				
∫		nsp	10k Ω 1/5W J	nsp
R857				
R860		nsp	270 Ω 1/4W J	nsp
R861		nsp	270 Ω 1/4W J	nsp
R862		nsp	22k Ω 1/5W J	nsp
R863		nsp	4.7k Ω 1/5W J	nsp
R864		nsp	4.7k Ω 1/5W J	nsp
R865		nsp	2k Ω 1/5W J	nsp
R866		nsp	22k Ω 1/5W J	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, ••:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R867		nsp	4.7k Ω 1/5W J	nsp
R868		nsp	4.7k Ω 1/5W J	nsp
R869		nsp	1 Ω 1/5W J	nsp
R870		nsp	22k Ω 1/5W J	nsp
R871		nsp	22k Ω 1/5W J	nsp
R872		nsp	3.9k Ω 1/5W J	nsp
R873		nsp	3.9k Ω 1/5W J	nsp
R874		nsp	2.2k Ω 1/5W J	nsp
R875		nsp	2.2k Ω 1/5W J	nsp
R876		nsp	560 Ω 1/5W J	nsp
R877		nsp	560 Ω 1/5W J	nsp
R879		nsp	120 Ω 1/4W J	nsp
R880		nsp	120 Ω 1/4W J	nsp
R881		nsp	1M Ω 1/5W J	nsp
R882		nsp	1M Ω 1/5W J	nsp
R883		nsp	100k Ω 1/5W J	nsp
R884		nsp	100k Ω 1/5W J	nsp
R885		nsp	56k Ω 1/5W J	nsp
R886		nsp	56k Ω 1/5W J	nsp
R895		nsp	10k Ω 1/5W J	nsp
R896		nsp	10k Ω 1/5W J	nsp
R899		nsp	22k Ω 1/5W J	nsp
R912		nsp	680 Ω 1/4W J	nsp
R913		nsp	10k Ω 1/5W J	nsp
RX81		nsp	103 x 9 NETWORK	nsp
			MISCELLANEOUS	
BN81		nsp	WIRE ASSY	nsp
BN82		4822 320 12696	CARDCABLE UL2896	*YU000540R
BN90		nsp	WAFER 5097(15PIN)	nsp
C822		4822 124 12129	CAP GOLD EECS5R5V104	*EX000030R
FIP1		4822 135 00277	FLD SVA10MS09	*HQ300330R
L801		nsp	COIL AXAIL 10UH K	nsp
S801				
⟆		4822 276 13541	SW TACT EVQ21505R	*SP000840R
S827				
SW82		4822 276 14103	SW PUSH SPUL19XIM071	*SP000860R
VR82		4822 101 11949	RES VARIBLE RK14K1240(100K)	*RM000330R
VR83		4822 101 11954	VR TONE RK14K1240	*RM000360R
VR84		4822 101 11954	VR TONE RK14K1240	*RM000360R
X801		4822 242 11037	CRYSTAL	*JX000550R
		nsp	CORD POWER	nsp
			POWER SWITCH CIRCUIT BOARD	
JW91		nsp	WIRE ASSY BLU/BLU(5298)	nsp
▲ SW81		4822 276 14105	SW PUSH (MOMS)	*SP000850R
			SPEAKER SW&HEADPHONE CIRCUIT BOARD	
			CAPACITOR	
C846		nsp	CER. 0.01µF 25V Z	nsp
C847		nsp	CER. 1000pF 50V K	nsp
C848		nsp	CER. 1000pF 50V K	nsp
C849		nsp	CER. 0.01µF 25V Z	nsp
			MISCELLANEOUS	
BN88		nsp	WIRE ASSY	nsp
JK84		4822 265 11587	JACK	*YT001440R
			AUX CIRCUIT BOARD	
			CAPACITOR	
C864		nsp	ELECT 10µF 35V	nsp
C866		nsp	CER. 150pF 50V K	nsp
C867		nsp	CER. 150pF 50V K	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C873		nsp	CER. 0.01µF 25V Z	nsp
C874		nsp	CER. 0.01µF 25V Z	nsp
			CONNECTOR	
CN90		nsp	HOUSING 42140(15PIN)	nsp
			RESISTOR	
R887		nsp	75 Ω 1/5W J	nsp
R888		nsp	100K Ω 1/5W J	nsp
R889		nsp	100K Ω 1/5W J	nsp
R890		nsp	100 Ω 1/5W J	nsp
R891		nsp	100 Ω 1/5W J	nsp
			MISCELLANEOUS	
BN91		nsp	WAFER 42140(10PIN)	nsp
JK81		4822 265 11593	JACK VCR JC010077YG	*YT001540R
JK82		4822 265 11594	JACK VCR JC010077RG	*YT001530R
JK83		4822 265 11595	JACK VCR JC010077WG	*YT001520R
			VOLUME CIRCUIT BOARD	
			CONNECTOR	
CN85		nsp	WAFER 2MM (15PIN)	nsp
CN86		nsp	WAFER 2MM (06PIN)	nsp
			RESISTORS	
R908		nsp	10k Ω 1/5W J	nsp
R909		nsp	10k Ω 1/5W J	nsp
R910		nsp	10k Ω 1/4W J	nsp
R911		nsp	10k Ω 1/5W J	nsp
			MISCELLANEOUS	
VR85		4822 101 11955	VR MOTOR RK1681MG 100KB	*RM000370R
			MAIN CIRCUIT BOARD	
			CAPACITOR	
C401		nsp	ELECT 4.7µF 50V	nsp
C402		nsp	ELECT 4.7µF 50V	nsp
C403		nsp	CER. 22pF 50V J	nsp
C404		nsp	CER. 22pF 50V J	nsp
C405		nsp	ELECT 4.7µF 50V	nsp
C406		nsp	ELECT 4.7µF 50V	nsp
C407		nsp	CER. 0.01µF 25V Z	nsp
C408		nsp	CER. 0.01µF 25V Z	nsp
C409		nsp	MYLAR 2700pF 50V J	nsp
C410		nsp	MYLAR 2700pF 50V J	nsp
C431		nsp	ELECT 4.7µF 50V	nsp
C432		nsp	ELECT 4.7µF 50V	nsp
C433				
⟆		nsp	CER. 22pF 50V J	nsp
C436				
C437		nsp	ELECT 4.7µF 50V	nsp
C438		nsp	ELECT 4.7µF 50V	nsp
C439		nsp	CER. 0.01µF 25V Z	nsp
C440		nsp	CER. 0.01µF 25V Z	nsp
C441		nsp	ELECT 4.7µF 50V	nsp
C442		nsp	ELECT 4.7µF 50V	nsp
C443		nsp	CER. 22pF 50V J	nsp
C444		nsp	CER. 22pF 50V J	nsp
C445		nsp	CER. 47pF 50V J	nsp
C446		nsp	CER. 47pF 50V J	nsp
C447		nsp	ELECT 4.7µF 50V	nsp
C448		nsp	ELECT 4.7µF 50V	nsp
C449		nsp	CER. 0.01µF 25V Z	nsp
C450		nsp	CER. 0.01µF 25V Z	nsp
C491		nsp	CER. 0.01µF 25V Z	nsp
C492		nsp	CER. 150pF 50V K	nsp
C493		4822 121 43396	METAL 0.12µF 63V	*CF1 00180R
C494		4822 121 43396	METAL 0.12µF 63V	*CF1 00180R

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C495		nsp	CER. 2200pF 16V M	nsp
C496		nsp	CER. 2200pF 16V M	nsp
C498		nsp	CER. 0.01μF 25V Z	nsp
C499		nsp	CER. 0.01μF 25V Z	nsp
C951		nsp	MYLAR 0.047μF 50V J	nsp
C952		nsp	MYLAR 0.022μF 50V J	nsp
C953		nsp	MYLAR 0.022μF 50V J	nsp
▲ C955		4822 124 12413	ELECT 8200μF 63V	*EA000860R
▲ C956		4822 124 12413	ELECT 8200μF 63V	*EA000860R
C961		nsp	CER. 0.047μF 50V Z	nsp
C962		nsp	CER. 0.047μF 50V Z	nsp
▲ C963		4822 124 12414	ELECT 2200μF 35V	*EA000850R
▲ C964		4822 124 12414	ELECT 2200μF 35V	*EA000850R
C965		nsp	ELECT 47μF 25V	nsp
C966		nsp	ELECT 47μF 25V	nsp
C967		nsp	ELECT 47μF 25V	nsp
C968		nsp	ELECT 22μF 50V	nsp
C969		nsp	ELECT 33μF 50V	nsp
C970		nsp	ELECT 22μF 50V	nsp
C971		nsp	ELECT 4.7μF 50V	nsp
C972		nsp	ELECT 10μF 35V	nsp
C973		nsp	CER. 0.01μF 25V Z	nsp
C974		nsp	CER. 0.01μF 25V Z	nsp
C976		nsp	ELECT 47μF 25V	nsp
C989		nsp	ELECT 470μF 10V	nsp
C990		nsp	ELECT 1.0μF 50V	nsp
C995		nsp	ELECT 100μF 35V	nsp
			CONNECTOR	
CN11		nsp	WAFER MOLEX 35336	nsp
CN12		nsp	WAFER 35336(10PIN)	nsp
CN13		nsp	WAFER 35336(10PIN)	nsp
CN21		nsp	WAFER 35336(10PIN)	nsp
CN22		nsp	WAFER 35336(10PIN)	nsp
CN31		nsp	WAFER 35336(10PIN)	nsp
CN32		nsp	WAFER 35336	nsp
CN52		nsp	WAFER MOLEX 5267-07A	nsp
CN53		nsp	WAFER	nsp
CN81		nsp	WAFER	nsp
CN82		nsp	WAFER CARDCABLE 1.25MM(21PIN)	nsp
CN88		nsp	WAFER MOLEX 5267-06A	nsp
CN93		nsp	WAFER 53291(5PIN)	nsp
CN96		nsp	WAFER MOLEX35313-0310	nsp
CN97		nsp	WAFER MOLEX 5267-06A	nsp
			DIODE	
D481				
∫		4822 130 30621	1N4148	QP13030621
D485				
D487		4822 130 30621	1N4148	QP13030621
D488		4822 130 30621	1N4148	QP13030621
▲ D951		4822 130 11628	KBU804F BRIDGE	*HE200190R
D961				
∫		4822 130 31878	1N4003	HD200010AR
D966				
D967		4822 130 10624	27V 1/2W ZENER	*HD301610R
D968		4822 130 11629	6.8V 1/2W ZENER	*HD301620R
			IC	
▲ IC95		4822 209 73674	NJM7806FA REGULAT	HC38906090
▲ IC96		4822 209 83317	NJM7815FA REGULAT	HC3891509F
▲ IC97		4822 209 61256	NJM7915FA REGULAT	HC39915090
IC40		5322 209 13406	NJM2068MD OP AMP	*HC104840R
IC43		5322 209 13406	NJM2068MD OP AMP	*HC104840R
IC44		5322 209 13406	NJM2068MD OP AMP	*HC104840R

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			TRANSISTOR	
Q461		5322 130 60898	KTC2878B MUTE	*HT300600R
Q462		5322 130 60898	KTC2878B MUTE	*HT300600R
Q465				
∫		5322 130 60898	KTC2878B MUTE	*HT300600R
Q468				
Q481		4822 130 60588	DTC114ES	BA20010210
Q482		4822 130 60588	DTC114ES	BA20010210
Q483		4822 130 60588	DTC114ES	BA20010210
Q484		4822 130 61227	DTA114ES	BA10007210
Q485		4822 130 61227	DTA114ES	BA10007210
Q486		4822 130 61227	DTA114ES	BA10007210
Q967		4822 130 11621	KTA1271Y	*BA000760R
Q968		4822 130 60588	DTC114ES	BA20010210
Q969		4822 130 61227	DTA114ES	BA10007210
Q971		4822 130 61227	DTA114ES	BA10007210
Q972		4822 130 61227	DTA114ES	BA10007210
Q973		4822 130 60588	DTC114ES	BA20010210
Q975		4822 130 60588	DTC114ES	BA20010210
Q976		4822 130 60588	DTC114ES	BA20010210
Q978		4822 130 60588	DTC114ES	BA20010210
Q985		4822 130 11609	KSC2785Y	*HT300590R
Q986		4822 130 11609	KSC2785Y	*HT300590R
Q987		4822 130 61227	DTA114ES	BA10007210
Q990		4822 130 61227	DTA114ES	BA10007210
			RESISTOR	
R401		nsp	100k Ω 1/5W J	nsp
R402		nsp	100k Ω 1/5W J	nsp
R405		nsp	220 Ω 1/5W J	nsp
R406		nsp	220 Ω 1/5W J	nsp
R407		nsp	120 Ω 1/5W J	nsp
R408		nsp	120 Ω 1/5W J	nsp
R415		nsp	220 Ω 1/5W J	nsp
R416		nsp	220 Ω 1/5W J	nsp
R431		nsp	100k Ω 1/5W J	nsp
R432		nsp	100k Ω 1/5W J	nsp
R433		nsp	47k Ω 1/5W J	nsp
R434		nsp	47k Ω 1/5W J	nsp
R435		nsp	120 Ω 1/5W J	nsp
R436		nsp	120 Ω 1/5W J	nsp
R437		nsp	470 Ω 1/5W J	nsp
R438		nsp	470 Ω 1/5W J	nsp
R439		nsp	120 Ω 1/5W J	nsp
R440		nsp	120 Ω 1/5W J	nsp
R441		nsp	100k Ω 1/5W J	nsp
R442		nsp	100k Ω 1/5W J	nsp
R443		nsp	8.2k Ω 1/5W J	nsp
R444		nsp	8.2k Ω 1/5W J	nsp
R445		nsp	47k Ω 1/5W J	nsp
R446		nsp	47k Ω 1/5W J	nsp
R447		nsp	470 Ω 1/5W J	nsp
R448		nsp	470 Ω 1/5W J	nsp
R449		nsp	120 Ω 1/5W J	nsp
R450		nsp	120 Ω 1/5W J	nsp
R461		nsp	4.7k Ω 1/5W J	nsp
R462		nsp	4.7k Ω 1/5W J	nsp
R463		nsp	47k Ω 1/5W J	nsp
R464		nsp	47k Ω 1/5W J	nsp
R465				
∫		nsp	4.7k Ω 1/5W J	nsp
R468				
R471				
∫		nsp	47k Ω 1/5W J	nsp
R474				
R481		nsp	15k Ω 1/5W J	nsp
R482		nsp	15k Ω 1/5W J	nsp
R483		nsp	15k Ω 1/5W J	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R485				
⟆		nsp	1 Ω 1/5W J	nsp
R488				
R491		nsp	47k Ω 1/5W J	nsp
R492		nsp	47k Ω 1/5W J	nsp
R493		nsp	47k Ω 1/5W J	nsp
R494		nsp	15k Ω 1/5W J	nsp
R495		nsp	10k Ω 1/5W J	nsp
R496		nsp	10k Ω 1/5W J	nsp
R498		nsp	3.3M Ω 1/5W J	nsp
R499		nsp	10 Ω 1/5W J	nsp
R951		nsp	10k Ω 1/4W J	nsp
R955		nsp	100k Ω 1/4W J	nsp
R956		nsp	100k Ω 1/4W J	nsp
⚠ R961		4822 117 13653	0.47 Ω 1W J FUSE	*NH000080R
⚠ R962		4822 117 13653	0.47 Ω 1W J FUSE	*NH000080R
R963		nsp	100k Ω 1/5W J	nsp
R964		nsp	10k Ω 1/5W J	nsp
R965		4822 053 10339	33 Ω 1W J METAL	GA05330010
R966		nsp	2.2k Ω 1/5W J	nsp
R967		nsp	47k Ω 1/5W J	nsp
R968		nsp	15k Ω 1/5W J	nsp
R973		nsp	2.2 Ω 1/4W J	nsp
R974		nsp	2.2 Ω 1/4W J	nsp
R975		4822 053 10331	330 Ω 1W J METAL	GA05331010
R976		4822 053 10331	330 Ω 1W J METAL	GA05331010
R977		nsp	2.2k Ω 1/5W J	nsp
R978		nsp	47k Ω 1/5W J	nsp
R981		nsp	82 Ω 1/4W J	nsp
R983		nsp	82 Ω 1/4W J	nsp
R984		nsp	22k Ω 1/5W J	nsp
R985		nsp	22k Ω 1/5W J	nsp
R987		nsp	22k Ω 1/5W J	nsp
R988		nsp	22k Ω 1/5W J	nsp
R989		nsp	1.5k Ω 1/5W J	nsp
R990		nsp	100k Ω 1/5W J	nsp
			MISCELLANEOUS	
BN51		nsp	WIRE ASSY 2.0MM(10P)	nsp
BN85		nsp	WIRE ASSY	nsp
BN86		nsp	WIRE ASSY 2.0MM (6P)	nsp
BN94		nsp	WAFER 2461-10	nsp
⚠ RY95		4822 280 10386	RELAY OSA-SS-212DM3	*LY000180R
⚠ RY97		4822 280 10386	RELAY OSA-SS-212DM3	*LY000180R
			AUDIO INPUT CIRCUIT BOARD CAPACITOR	
C131				
⟆		nsp	CER. 0.01μF 25V Z	nsp
C138				
C141				
⟆		nsp	CER. 150pF 50V K	nsp
C148				nsp
C151		nsp	ELECT 10μF 35V	nsp
C152		nsp	ELECT 10μF 35V	nsp
C153		nsp	CER. 150pF 50V K	nsp
C154		nsp	CER. 150pF 50V K	nsp
C155		nsp	ELECT 10μF 35V	nsp
C156		nsp	ELECT 10μF 35V	nsp
C157		nsp	CER. 0.01μF 25V Z	nsp
C158		nsp	CER. 0.01μF 25V Z	nsp
C161		nsp	CER. 150pF 50V K	nsp
C162		nsp	CER. 150pF 50V K	nsp
C163		nsp	CER. 150pF 50V K	nsp
C165		nsp	ELECT 100μF 35V	nsp
C166		nsp	ELECT 100μF 35V	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C167		nsp	CER. 0.01μF 25V Z	nsp
C168		nsp	CER. 0.01μF 25V Z	nsp
C169		nsp	ELECT 47μF 25V	nsp
			DIODE	
D167		4822 130 30621	1N4148	QP13030621
			IC	
IC13		4822 209 32552	LC78211 FUNCTION	HC10308030
IC14		4822 209 73064	NJM2068DD OP AMP	HC10053090
			RESISTOR	
R131				
⟆		nsp	100 Ω 1/5W J	nsp
R138				
R141				
⟆		nsp	100k Ω 1/5W J	nsp
R148				
R151		nsp	100k Ω 1/5W J	nsp
R152		nsp	100k Ω 1/5W J	nsp
R155		nsp	100k Ω 1/5W J	nsp
R156		nsp	100k Ω 1/5W J	nsp
R157		nsp	120 Ω 1/5W J	nsp
R158		nsp	120 Ω 1/5W J	nsp
R161		nsp	2.2k Ω 1/5W J	nsp
R162		nsp	2.2k Ω 1/5W J	nsp
R163		nsp	2.2k Ω 1/5W J	nsp
R165		nsp	120 Ω 1/5W J	nsp
R166		nsp	120 Ω 1/5W J	nsp
R167		nsp	10k Ω 1/5W J	nsp
R168		nsp	10k Ω 1/5W J	nsp
R169		nsp	100 Ω 1/5W J	nsp
R170		nsp	100 Ω 1/5W J	nsp
R171		nsp	10 Ω 1/5W J	nsp
R172		nsp	10 Ω 1/5W J	nsp
			MISCELLANEOUS	
BN12		nsp	WAFER 35237(10PIN)	nsp
BN13		nsp	WAFER 35237(10PIN)	nsp
JK12		4822 265 11589	JACK BOARD JE0400606N	*YT0O1470R
JK13		4822 265 11589	JACK BOARD JE0400606N	*YT0O1470R
			AMP CIRCUIT BOARD CAPACITOR	
C501		nsp	ELECT 10μF 35V	nsp
C502		nsp	ELECT 10μF 35V	nsp
C504		nsp	ELECT 10μF 35V	nsp
C505		nsp	ELECT 10μF 35V	nsp
C506		nsp	CER. 470pF 50V K	nsp
C507		nsp	CER. 470pF 50V K	nsp
C509		nsp	CER. 470pF 50V K	nsp
C510		nsp	CER. 470pF 50V K	nsp
C546		nsp	ELECT 22μF 25V	nsp
C547		nsp	ELECT 22μF 25V	nsp
C549		nsp	ELECT 22μF 25V	nsp
C550		nsp	ELECT 22μF 25V	nsp
C551		nsp	ELECT 1.0μF 50V	nsp
C552		nsp	ELECT 1.0μF 50V	nsp
C554		nsp	ELECT 1.0μF 50V	nsp
C555		nsp	ELECT 1.0μF 50V	nsp
C561		nsp	ELECT 220μF 16V	nsp
C562		nsp	ELECT 220μF 16V	nsp
C564		nsp	ELECT 220μF 16V	nsp
C565		nsp	ELECT 220μF 16V	nsp
C601		nsp	CER. 2.2pF 50V K	nsp
C602		nsp	CER. 2.2pF 50V K	nsp
C604		nsp	CER. 2.2pF 50V K	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C605		nsp	CER. 2.2pF 50V K	nsp
C606		nsp	CER. 180pF 50V K	nsp
C607		nsp	CER. 180pF 50V K	nsp
C609		nsp	CER. 180pF 50V K	nsp
C610		nsp	CER. 180pF 50V K	nsp
C611		nsp	ELECT 10µF 50V	nsp
C612		nsp	ELECT 10µF 50V	nsp
C614		nsp	ELECT 10µF 50V	nsp
C615		nsp	ELECT 10µF 50V	nsp
⚠ C631		nsp	ELECT 470µF 63V	nsp
⚠ C632		nsp	ELECT 470µF 63V	nsp
⚠ C634		nsp	ELECT 470µF 63V	nsp
⚠ C635		nsp	ELECT 470µF 63V	nsp
⚠ C636		nsp	ELECT 470µF 63V	nsp
⚠ C637		nsp	ELECT 470µF 63V	nsp
⚠ C639		nsp	ELECT 470µF 63V	nsp
⚠ C640		nsp	ELECT 470µF 63V	nsp
C641		nsp	ELECT 10µF 50V	nsp
C642		nsp	ELECT 10µF 50V	nsp
C644		nsp	ELECT 10µF 50V	nsp
C645		nsp	ELECT 10µF 50V	nsp
C681		nsp	ELECT 10µF 50V	nsp
C682		nsp	ELECT 10µF 50V	nsp
C684		nsp	ELECT 10µF 50V	nsp
C685		nsp	ELECT 10µF 50V	nsp
C691		nsp	ELECT 47µF 50V	nsp
			CONNECTOR	
CN51		nsp	WAFER	nsp
			DIODE	
D551		4822 130 30621	1N4148	QP13030621
D552		4822 130 30621	1N4148	QP13030621
D554		4822 130 30621	1N4148	QP13030621
D555		4822 130 30621	1N4148	QP13030621
D581		4822 130 30621	1N4148	QP13030621
D582		4822 130 30621	1N4148	QP13030621
D584		4822 130 30621	1N4148	QP13030621
D585		4822 130 30621	1N4148	QP13030621
			TRANSISTOR	
Q511		4822 130 11615	KTA1268GR	*HT100400R
Q512		4822 130 11615	KTA1268GR	*HT100400R
Q514				
∫		4822 130 11615	KTA1268GR	*HT100400R
Q517				
Q519		4822 130 11615	KTA1268GR	*HT100400R
Q520		4822 130 11615	KTA1268GR	*HT100400R
Q541		4822 130 11615	KTA1268GR	*HT100400R
Q542		4822 130 11615	KTA1268GR	*HT100400R
Q544				
∫		4822 130 11615	KTA1268GR	*HT100400R
Q547				
Q549		4822 130 11615	KTA1268GR	*HT100400R
Q550		4822 130 11615	KTA1268GR	*HT100400R
Q556		4822 130 11616	KTC3200GR	*HT300610R
Q557		4822 130 11616	KTC3200GR	*HT300610R
Q559				
∫		4822 130 11616	KTC3200GR	*HT300610R
Q562				
Q564		4822 130 11616	KTC3200GR	*HT300610R
Q565		4822 130 11616	KTC3200GR	*HT300610R
Q581		4822 130 11615	KTA1268GR	*HT100400R
Q582		4822 130 11615	KTA1268GR	*HT100400R
Q584		4822 130 11615	KTA1268GR	*HT100400R
Q585		4822 130 11615	KTA1268GR	*HT100400R
⚠ Q611		4822 130 60117	2SC3419Y	HT334191Y0
⚠ Q612		4822 130 60117	2SC3419Y	HT334191Y0

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
⚠ Q614		4822 130 60117	2SC3419Y	HT334191Y0
⚠ Q615		4822 130 60117	2SC3419Y	HT334191Y0
Q621		4822 130 11485	2SA1360O	*HT100410R
Q622		4822 130 11485	2SA1360O	*HT100410R
Q624		4822 130 11485	2SA1360O	*HT100410R
Q625		4822 130 11485	2SA1360O	*HT100410R
Q626		4822 130 61009	2SC3423O	*HT300620R
Q627		4822 130 61009	2SC3423O	*HT300620R
Q629		4822 130 61009	2SC3423O	*HT300620R
Q630		4822 130 61009	2SC3423O	*HT300620R
⚠ Q641		4822 130 11618	2SC4883A DRIVER	*HT300570R
⚠ Q642		4822 130 11618	2SC4883A DRIVER	*HT300570R
⚠ Q644		4822 130 11618	2SC4883A DRIVER	*HT300570R
⚠ Q645		4822 130 11618	2SC4883A DRIVER	*HT300570R
⚠ Q646		4822 130 11619	2SA1859A DRIVER (SAN)	*HT100380R
⚠ Q647		4822 130 11619	2SA1859A DRIVER (SAN)	*HT100380R
⚠ Q649		4822 130 11619	2SA1859A DRIVER (SAN)	*HT100380R
⚠ Q650		4822 130 11619	2SA1859A DRIVER (SAN)	*HT100380R
⚠ Q656		4822 130 63433	2SC4467POWER	HT344673A0
⚠ Q657		4822 130 63433	2SC4467POWER	HT344673A0
⚠ Q659		4822 130 63433	2SC4467POWER	HT344673A0
⚠ Q660		4822 130 63433	2SC4467POWER	HT344673A0
⚠ Q661		4822 130 63367	2SA1694POWER	HT116942B0
⚠ Q662		4822 130 63367	2SA1694POWER	HT116942B0
⚠ Q664		4822 130 63367	2SA1694POWER	HT116942B0
⚠ Q665		4822 130 63367	2SA1694POWER	HT116942B0
Q681		4822 130 11609	KSC2785Y	*HT300590R
Q682		4822 130 11609	KSC2785Y	*HT300590R
Q684		4822 130 11609	KSC2785Y	*HT300590R
Q685		4822 130 11609	KSC2785Y	*HT300590R
			RESISTOR	
R501		nsp	470 Ω 1/5W J	nsp
R502		nsp	470 Ω 1/5W J	nsp
R504		nsp	470 Ω 1/5W J	nsp
R505		nsp	470 Ω 1/5W J	nsp
R506		nsp	33k Ω 1/5W J	nsp
R507		nsp	33k Ω 1/5W J	nsp
R509		nsp	33k Ω 1/5W J	nsp
R510		nsp	33k Ω 1/5W J	nsp
R511		nsp	180 Ω 1/5W J	nsp
R512		nsp	180 Ω 1/5W J	nsp
R514				
∫		nsp	180 Ω 1/5W J	nsp
R517				
R519		nsp	180 Ω 1/5W J	nsp
R520		nsp	180 Ω 1/5W J	nsp
R526		nsp	12k Ω 1/5W J	nsp
R527		nsp	12k Ω 1/5W J	nsp
R529		nsp	12k Ω 1/5W J	nsp
R530		nsp	12k Ω 1/5W J	nsp
R531		nsp	1.5k Ω 1/5W J	nsp
R532		nsp	1.5k Ω 1/5W J	nsp
R534				
∫		nsp	1.5k Ω 1/5W J	nsp
R537				
R539		nsp	1.5k Ω 1/5W J	nsp
R540		nsp	1.5k Ω 1/5W J	nsp
R541		nsp	220 Ω 1/5W J	nsp
R542		nsp	220 Ω 1/5W J	nsp
R544		nsp	220 Ω 1/5W J	nsp
R545		nsp	220 Ω 1/5W J	nsp
R546		nsp	10k Ω 1/5W J	nsp
R547		nsp	10k Ω 1/5W J	nsp
R549		nsp	10k Ω 1/5W J	nsp
R550		nsp	10k Ω 1/5W J	nsp
R551		nsp	33k Ω 1/5W J	nsp
R552		nsp	33k Ω 1/5W J	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R554				
⟆		nsp	33k Ω 1/5W J	nsp
R557				
R559		nsp	33k Ω 1/5W J	nsp
R560		nsp	33k Ω 1/5W J	nsp
R561		nsp	2k Ω 1/5W J	nsp
R562		nsp	2k Ω 1/5W J	nsp
R564		nsp	2k Ω 1/5W J	nsp
R565		nsp	2k Ω 1/5W J	nsp
R566		nsp	560 Ω 1/5W J	nsp
R567		nsp	560 Ω 1/5W J	nsp
R569				
⟆		nsp	560 Ω 1/5W J	nsp
R572				
R574		nsp	560 Ω 1/5W J	nsp
R575		nsp	560 Ω 1/5W J	nsp
R576		nsp	1 Ω 1/5W J	nsp
R577		nsp	1 Ω 1/5W J	nsp
R579		nsp	1 Ω 1/5W J	nsp
R580		nsp	1 Ω 1/5W J	nsp
R581		nsp	560 Ω 1/5W J	nsp
R582		nsp	560 Ω 1/5W J	nsp
R584				
⟆		nsp	560 Ω 1/5W J	nsp
R587				
R589		nsp	560 Ω 1/5W J	nsp
R590		nsp	560 Ω 1/5W J	nsp
R591		nsp	4.7k Ω 1/5W J	nsp
R592		nsp	4.7k Ω 1/5W J	nsp
R594				
⟆		nsp	4.7k Ω 1/5W J	nsp
R597				
R599		nsp	4.7k Ω 1/5W J	nsp
R600		nsp	4.7k Ω 1/5W J	nsp
R601		nsp	22k Ω 1/5W J	nsp
R602		nsp	22k Ω 1/5W J	nsp
R604				
⟆		nsp	22k Ω 1/5W J	nsp
R607				
R609		nsp	22k Ω 1/5W J	nsp
R610		nsp	22k Ω 1/5W J	nsp
R611		nsp	560 Ω 1/5W J	nsp
R612		nsp	560 Ω 1/5W J	nsp
R614		nsp	560 Ω 1/5W J	nsp
R615		nsp	560 Ω 1/5W J	nsp
R616		nsp	3.3k Ω 1/5W J	nsp
R617		nsp	3.3k Ω 1/5W J	nsp
R619		nsp	3.3k Ω 1/5W J	nsp
R620		nsp	3.3k Ω 1/5W J	nsp
R621		nsp	82 Ω 1/5W J	nsp
R622		nsp	82 Ω 1/5W J	nsp
R624				
⟆		nsp	82 Ω 1/5W J	nsp
R627				
R629		nsp	82 Ω 1/5W J	nsp
R630		nsp	82 Ω 1/5W J	nsp
R631		nsp	75 Ω 1/4W J	nsp
R632		nsp	75 Ω 1/4W J	nsp
R634				
⟆		nsp	75 Ω 1/4W J	nsp
R637				
R639		nsp	75 Ω 1/4W J	nsp
R640		nsp	75 Ω 1/4W J	nsp
R641		nsp	82 Ω 1/5W J	nsp
R642		nsp	82 Ω 1/5W J	nsp
R644		nsp	82 Ω 1/5W J	nsp
R645		nsp	82 Ω 1/5W J	nsp
R646		nsp	2.2 Ω 1/4W J	nsp
R647		nsp	2.2 Ω 1/4W J	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R649				
⟆		nsp	2.2 Ω 1/4W J	nsp
R652				
R654		nsp	2.2 Ω 1/4W J	nsp
R655		nsp	2.2 Ω 1/4W J	nsp
⚠ R661		4822 117 13654	0.22Ω 5W x2 CEMENT	*GO000006R
⚠ R662		4822 117 13654	0.22Ω 5W x2 CEMENT	*GO000006R
⚠ R664		4822 117 13654	0.22Ω 5W x2 CEMENT	*GO000006R
⚠ R665		4822 117 13654	0.22Ω 5W x2 CEMENT	*GO000006R
R667				
⟆		nsp	47 Ω 1/4W J	nsp
R670				
R671		nsp	1k Ω 1/5W J	nsp
R672		nsp	1k Ω 1/5W J	nsp
R674		nsp	1k Ω 1/5W J	nsp
R675		nsp	1k Ω 1/5W J	nsp
R676		nsp	2.2k Ω 1/5W J	nsp
R677		nsp	2.2k Ω 1/5W J	nsp
R679		nsp	2.2k Ω 1/5W J	nsp
R680		nsp	2.2k Ω 1/5W J	nsp
R681		nsp	1k Ω 1/5W J	nsp
R682		nsp	1k Ω 1/5W J	nsp
R684		nsp	1k Ω 1/5W J	nsp
R685		nsp	1k Ω 1/5W J	nsp
R686		nsp	10k Ω 1/5W J	nsp
R687		nsp	10k Ω 1/5W J	nsp
R689		nsp	10k Ω 1/5W J	nsp
R690		nsp	10k Ω 1/5W J	nsp
R691		nsp	75 Ω 1/5W J	nsp
R692		nsp	75 Ω 1/5W J	nsp
R693		nsp	2.2k Ω 1/5W J	nsp
R694		nsp	2.2k Ω 1/5W J	nsp
R696		nsp	2.2k Ω 1/5W J	nsp
R697		nsp	2.2k Ω 1/5W J	nsp
			MISCELLANEOUS	
BN52		nsp	WIRE ASSY 2.5MM(09P)	nsp
BN53		nsp	WIRE ASSY 2.5MM(LG)	nsp
L667		4822 157 11872	COIL 0.5UH K	*LC1O7210R
L668		4822 157 11872	COIL 0.5UH K	*LC1O7210R
			SURROUND CIRCUIT BOARD	
			CAPACITOR	
C301		nsp	ELECT 4.7μF 50V	nsp
C302		nsp	ELECT 4.7μF 50V	nsp
C303		nsp	ELECT 22μF 25V	nsp
C304		nsp	ELECT 220μF 16V	nsp
C305		nsp	ELECT 10μF 35V	nsp
C306		nsp	MYLAR 0.012μF 50V J	nsp
C307		nsp	ELECT 47μF 25V	nsp
C308		nsp	MYLAR 0.1μF 50V J	nsp
C309				
⟆		nsp	ELECT 4.7μF 50V	nsp
C312				
C313		nsp	CER. 0.01μF 25V Z	nsp
C314		nsp	ELECT 100μF 16V	nsp
C315		nsp	CER. 0.01μF 25V Z	nsp
C316		nsp	CER. 150pF 50V K	nsp
C317		nsp	CER. 150pF 50V K	nsp
C318		nsp	CER. 470pF 50V K	nsp
C319		nsp	CER. 27pF 50V J	nsp
C320		nsp	CER. 27pF 50V J	nsp
C321		nsp	ELECT 100μF 16V	nsp
C322		nsp	CER. 0.01μF 25V Z	nsp
C323		nsp	ELECT 22μF 16V	nsp
C324		nsp	ELECT 2.2μF 50V	nsp
C325		nsp	MYLAR 0.01μF 50V J	nsp
C326		nsp	MYLAR 1500pF 50V J	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C327		nsp	MYLAR 0.068µF 50V J	nsp
C328		nsp	MYLAR 0.1µF 50V J	nsp
C329		nsp	MYLAR 0.1µF 50V J	nsp
C330		nsp	MYLAR 0.068µF 50V J	nsp
C331		nsp	MYLAR 0.01µF 50V J	nsp
C332		nsp	MYLAR 1500pF 50V J	nsp
C333		nsp	MYLAR 0.1µF 50V J	nsp
C334		nsp	MYLAR 0.1µF 50V J	nsp
C335		nsp	CER. 470pF 50V K	nsp
C336		nsp	MYLAR 0.1µF 50V J	nsp
C338		nsp	CER. 470pF 50V K	nsp
C339		nsp	MYLAR 5600pF 50V J	nsp
C340		nsp	MYLAR 0.047µF 50V J	nsp
C341		nsp	ELECT 0.68µF 50V	nsp
C342		nsp	ELECT 0.22µF 50V	nsp
C343		nsp	ELECT 0.22µF 50V	nsp
C344		nsp	ELECT 4.7µF 50V	nsp
C345		nsp	ELECT 4.7µF 50V	nsp
C346		nsp	ELECT 0.22µF 50V	nsp
C347		nsp	ELECT 0.22µF 50V	nsp
C348		nsp	MYLAR 0.1µF 50V J	nsp
C349		nsp	MYLAR 0.047µF 50V J	nsp
C350		nsp	MYLAR 0.047µF 50V J	nsp
C351		nsp	MYLAR 0.1µF 50V J	nsp
C352		nsp	MYLAR 0.1µF 50V J	nsp
C353		nsp	MYLAR 0.022µF 50V J	nsp
C354		nsp	MYLAR 0.022µF 50V J	nsp
C355		nsp	MYLAR 0.1µF 50V J	nsp
C356		nsp	CER. 680pF 50V K	nsp
C357		nsp	CER. 680pF 50V K	nsp
C358 ∫ C361		nsp	MYLAR 0.1µF 50V J	nsp
C362		nsp	ELECT 100µF 16V	nsp
C363		nsp	CER. 0.01µF 25V Z	nsp
C364		nsp	ELECT 100µF 16V	nsp
C365		nsp	ELECT 100µF 16V	nsp
C371		nsp	CER. 2200pF 16V M	nsp
C372		nsp	CER. 2200pF 16V M	nsp
C373		nsp	CER. 56pF 50V J	nsp
C374		nsp	CER. 56pF 50V J	nsp
C375		nsp	ELECT 4.7µF 50V	nsp
C376		nsp	ELECT 4.7µF 50V	nsp
C377		nsp	CER. 0.01µF 25V Z	nsp
C378		nsp	CER. 0.01µF 25V Z	nsp
C379		nsp	CER. 0.047µF 50V Z	nsp
C701		nsp	CER. 0.047µF 50V Z	nsp
C702		nsp	CER. 0.047µF 50V Z	nsp
C721		nsp	MYLAR 0.1µF 50V J	nsp
C722		nsp	MYLAR 0.1µF 50V J	nsp
			DIODE	
D365		4822 130 83142	6.2V 1/2W ZENER	HD30621000
			IC	
IC31		4822 209 17347	M62460FP DOLBY	*HC104830R
IC37		4822 209 73064	NJM2068DD OP AMP	HC10053090
			TRANSISTOR	
Q361		4822 130 11617	KSC2316Y	*HT300580R
Q362		4822 130 11617	KSC2316Y	*HT300580R
			RESISTOR	
R301		nsp	22k Ω 1/5W J	nsp
R302		nsp	22k Ω 1/5W J	nsp
R303		nsp	4.7M Ω 1/5W J	nsp
R304		nsp	100k Ω 1/5W J	nsp
R306		nsp	330k Ω 1/5W J	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R307		nsp	10k Ω 1/5W J	nsp
R308		nsp	10k Ω 1/5W J	nsp
R309 ∫ R312		nsp	47k Ω 1/5W J	nsp
R313		nsp	10k Ω 1/5W J	nsp
R314		nsp	3.3k Ω 1/5W J	nsp
R315		nsp	22 Ω 1/5W J	nsp
R316		nsp	4.7k Ω 1/5W J	nsp
R317		nsp	4.7k Ω 1/5W J	nsp
R318		nsp	4.7k Ω 1/5W J	nsp
R319		nsp	560 Ω 1/5W J	nsp
R320		nsp	1M Ω 1/5W J	nsp
R321		nsp	22 Ω 1/5W J	nsp
R333		nsp	20k Ω 1/5W J	nsp
R334		nsp	47k Ω 1/5W J	nsp
R335		nsp	24k Ω 1/5W J	nsp
R336		nsp	220 Ω 1/5W J	nsp
R337		nsp	20k Ω 1/5W J	nsp
R338		nsp	22k Ω 1/5W J	nsp
R341		nsp	330k Ω 1/5W J	nsp
R356		nsp	47k Ω 1/5W J	nsp
R357		nsp	47k Ω 1/5W J	nsp
R358		nsp	7.5k Ω 1/5W J	nsp
R359		nsp	7.5k Ω 1/5W J	nsp
R360		nsp	15k Ω 1/5W J	nsp
R361		nsp	15k Ω 1/5W J	nsp
R362		nsp	22 Ω 1/5W J	nsp
R363		nsp	1.2k Ω 1/5W J	nsp
R364		nsp	3.3k Ω 1/5W J	nsp
R365		nsp	22 Ω 1/5W J	nsp
R366		nsp	1k Ω 1/5W J	nsp
R371		nsp	10k Ω 1/5W J	nsp
R372		nsp	10k Ω 1/5W J	nsp
R373		nsp	22k Ω 1/5W J	nsp
R374		nsp	36k Ω 1/5W J	nsp
R375		nsp	47k Ω 1/5W J	nsp
R376		nsp	47K Ω 1/5W J	nsp
R377		nsp	120 Ω 1/5W J	nsp
R378		nsp	120 Ω 1/5W J	nsp
R379		nsp	3.3k Ω 1/5W J	nsp
R380		nsp	3.3k Ω 1/5W J	nsp
R381 ∫ R384		nsp	22 Ω 1/5W J	nsp
R701		nsp	100 Ω 1/5W J	nsp
R702		nsp	100 Ω 1/5W J	nsp
R721		nsp	47k Ω 1/5W J	nsp
R722		nsp	47k Ω 1/5W J	nsp
R769		nsp	100 Ω 1/5W J	nsp
R770		nsp	100 Ω 1/5W J	nsp
			MISCELLANEOUS	
BN31		nsp	WAFER 35237(10PIN)	nsp
BN32		nsp	WAFER 35237(15PIN)	nsp
JK71		4822 265 11596	JACK BOARD JE020059R	*YT001550R
L315		nsp	COIL AXAIL 220µH J	nsp
L316		nsp	COIL AXAIL 470µH J	nsp
X301		4822 242 11038	RESONATOR CERAMIC ZTA4.00MG	*FQ000370R
			VIDEO INPUT CIRCUIT BOARD	
			CAPACITOR	
C201 ∫ C208		nsp	CER. 0.01µF 25V Z	nsp
C209		nsp	CER. 150pF 50V K	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, ••:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C211				
⟆		nsp	CER. 150pF 50V K	nsp
C218				
C221		nsp	ELECT 100μF 35V	nsp
C222		nsp	ELECT 100μF 35V	nsp
C223		nsp	CER. 0.01μF 25V Z	nsp
C224		nsp	CER. 0.01μF 25V Z	nsp
C225		nsp	ELECT 47μF 25V	nsp
C227		nsp	CER. 150pF 50V K	nsp
C228		nsp	CER. 150pF 50V K	nsp
C229		nsp	CER. 150pF 50V K	nsp
C251		nsp	ELECT 470μF 10V	nsp
C252		nsp	ELECT 470μF 10V	nsp
C253		nsp	ELECT 10μF 35V	nsp
C254		nsp	ELECT 10μF 35V	nsp
C255		nsp	ELECT 10μF 35V	nsp
C262		nsp	CER. 0.01μF 25V Z	nsp
C271		nsp	CER. 0.01μF 25V Z	nsp
C272		nsp	ELECT 470μF 10V	nsp
			CONNECTOR	
CN21		nsp	WAFER 35237(10PIN)	nsp
CN22		nsp	WAFER 35237(10PIN)	nsp
			DIODE	
D223		4822 130 30621	1N4148	QP13030621
			IC	
IC21		4822 209 32552	LC78211FUNCTION	HC10308030
IC25		4822 209 17452	BA7626	HC10190210
			TRANSISTOR	
Q261		4822 130 11624	KSA733CY	*HT100420R
Q262		4822 130 11624	KSA733CY	*HT100420R
Q275		4822 130 60588	DTC114ES	BA20010210
Q276		4822 130 60588	DTC114ES	BA20010210
Q277		4822 130 60588	DTC114ES	BA20010210
			RESISTOR	
R201				
⟆		nsp	100 Ω 1/5W J	nsp
R208				
R209		nsp	10 Ω 1/5W J	nsp
R211				
⟆		nsp	100k Ω 1/5W J	nsp
R218				
R221		nsp	120 Ω 1/5W J	nsp
R222		nsp	120 Ω 1/5W J	nsp
R223		nsp	10k Ω 1/5W J	nsp
R227		nsp	2.2k Ω 1/5W J	nsp
R228		nsp	2.2k Ω 1/5W J	nsp
R229		nsp	2.2k Ω 1/5W J	nsp
R251				
⟆		nsp	75 Ω 1/4W J	nsp
R255				
R256		nsp	10k Ω 1/5W J	nsp
R257		nsp	10k Ω 1/5W J	nsp
R261				
⟆		nsp	100 Ω 1/4W J	nsp
R264				
R271		nsp	10 Ω 1/5W J	nsp
R272		nsp	10k Ω 1/5W J	nsp
R273		nsp	10k Ω 1/5W J	nsp
R274		nsp	10k Ω 1/5W J	nsp
R275		nsp	75 Ω 1/5W J	nsp
R276		nsp	75 Ω 1/5W J	nsp
R277		nsp	75 Ω 1/5W J	nsp

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, ••:EUROPE)

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			MISCELLANEOUS	
JK21		4822 265 11597	JACK BOARD(Y/OR/OR) JE0300397N	*YT001570R
JK22		4822 265 11598	JACK BOARD(Y/W/R) JE0300390N	*YT001560R
JK23		4822 265 11599	JACK BOARD(Y/W/R) JK090150CN	*YT001510R
			TUNER CIRCUIT BOARD	
			CAPACITOR	
C011		nsp	CER. 15pF 50V J	nsp
C013		nsp	CER. 0.01μF 25V Z	nsp
C014		nsp	CER. 1000pF 50V K	nsp
C015		nsp	CER. 15pF 50V J	nsp
C016		nsp	CER. 0.01μF 25V Z	nsp
C017		nsp	CER. 10pF 50V J	nsp
C018		nsp	CER. 0.047μF 50V Z	nsp
C019		nsp	CER. 0.047μF 50V Z	nsp
C020		nsp	ELECT 1.0μF 50V	nsp
C021		nsp	ELECT 220μF 16V	nsp
C022		nsp	CER. 0.01μF 25V Z	nsp
C023		nsp	CER. 100pF 50V K	nsp
C024		nsp	CER. 100pF 50V K	nsp
C025		nsp	CER. 390pF 50V K	nsp
C026		nsp	CER. 100pF 50V K	nsp
C027		nsp	CER. 100pF 50V K	nsp
C028		nsp	CER. 0.1μF 50V Z	nsp
C031		nsp	CER. 0.047μF 50V Z	nsp
C033		nsp	CER. 15pF 50V J	nsp
C034		nsp	CER. 470pF 50V K	nsp
C036		nsp	CER. 1000pF 50V K	nsp
C037		nsp	ELECT 100μF 16V	nsp
C038		nsp	CER. 0.047μF 50V Z	nsp
C039		nsp	CER. 0.01μF 25V Z	nsp
C040		nsp	CER. 8.2pF 50V K	nsp
C041		nsp	CER. 47pF 50V J	nsp
C042		nsp	ELECT 1.0μF 50V	nsp
C043		nsp	ELECT 4.7μF 16V	nsp
C045		nsp	ELECT 1μF 50V	nsp
C046		nsp	ELECT 1.0μF 50V	nsp
C047		nsp	CER. 2700pF 16V M	nsp
C048		nsp	MYLAR 1500pF 50V J	nsp
C050		nsp	MYLAR 0.015μF 50V J	nsp
C051		nsp	ELECT 0.47μF 50V	nsp
C054		nsp	ELECT 10μF 16V	nsp
C055		nsp	ELECT 100μF 16V	nsp
C056		nsp	CER. 0.047μF 50V Z	nsp
C057		nsp	CER. 1000pF 50V K	nsp
C058		nsp	MYLAR 1000pF 50V J	nsp
C059		nsp	ELECT 0.47μF 50V	nsp
C060		nsp	ELECT 0.47μF 50V	nsp
C061		nsp	ELECT 1.0μF 50V	nsp
C063		nsp	MYLAR 0.022μF 50V J	nsp
C064		nsp	MYLAR 0.022μF 50V J	nsp
C065		nsp	ELECT 10μF 16V	nsp
C066		nsp	ELECT 10μF 16V	nsp
C067		nsp	ELECT 2.2μF 50V	nsp
C068		nsp	ELECT 2.2μF 50V	nsp
C069				
⟆		nsp	ELECT 10μF 35V	nsp
C072				
C073		nsp	ELECT 100μF 16V	nsp
C074		nsp	ELECT 100μF 16V	nsp
C076		nsp	ELECT 470μF 10V	nsp
C077		nsp	CER. 0.01μF 25V Z	nsp
C078		nsp	CER. 33pF 50V J	nsp
C079		nsp	CER. 33pF 50V J	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C080		nsp	CER. 0.022µF 25V Z	nsp
C081		nsp	ELECT 4.7µF 50V	nsp
C082		nsp	CER. 0.022µF 25V Z	nsp
C083		nsp	ELECT 100µF 16V	nsp
C084		nsp	CER. 0.01µF 25V Z	nsp
C085		nsp	ELECT 10µF 35V	nsp
C086		nsp	CER. 100pF 50V K	nsp
C087		nsp	CER. 0.01µF 25V Z	nsp
C088		nsp	CER. 100pF 50V K	nsp
C089		nsp	CER. 27pF 50V J	nsp
C090		nsp	CER. 33pF 50V J	nsp
C091		nsp	ELECT 100µF 35V	nsp
C092		nsp	ELECT 100µF 16V	nsp
C093		nsp	CER. 0.022UF 25V Z	nsp
CT01		4822 125 11116	CAP VARIABLE	*CT000110R
			CONNECTOR	
CN11		nsp	CONNECTOR BN 90 ANGLE	nsp
			DIODE	
D011		nsp	SVC342-L-AA VARICAP	nsp
D012				
∫		4822 130 30621	1N4148	QP13030621
D015				
D016		4822 130 11631	5.6V 1/2W ZENER	*HD301630R
D017		4822 130 30621	1N4148	QP13030621
			IC	
IC01		4822 209 71785	LA1266	HC10222030
IC02		4822 209 63077	LA3361	HC10055030
IC03		5322 209 13406	NJM2068MD OP AMP	*HC104840R
IC04		4822 209 15778	LC72131M PLL	*HC104820R
IC05		4822 209 17453	BFU1923F RDS ENCODER	*HC104810R
			TRANSISTOR	
Q011		4822 130 63385	KTC3192O	*HT300480R
Q012		4822 130 63385	KTC3192O	*HT300480R
Q013		4822 130 63385	DTA114YS	*HT300480R
Q014		4822 130 63385	DTA114YS	*HT300480R
Q015		4822 130 63659	DTC143TS	*BA000700R
Q016		4822 130 63659	DTC143TS	*BA000700R
Q017		4822 130 61187	DTA144TS	BA10009210
			RESISTOR	
R011		nsp	390 Ω 1/5W J	nsp
R012		nsp	150 Ω 1/5W J	nsp
R013		nsp	15k Ω 1/5W J	nsp
R014		nsp	5.6k Ω 1/5W J	nsp
R015		nsp	1.8k Ω 1/5W J	nsp
R016		nsp	820k Ω 1/5W J	nsp
R017		nsp	560 Ω 1/5W J	nsp
R018		nsp	470k Ω 1/5W J	nsp
R019		nsp	270 Ω 1/5W J	nsp
R020		nsp	1.8k Ω 1/5W J	nsp
R021		nsp	15k Ω 1/5W J	nsp
R022		nsp	2.7k Ω 1/5W J	nsp
R023		nsp	15k Ω 1/5W J	nsp
R024		nsp	2.2k Ω 1/5W J	nsp
R025		nsp	100 Ω 1/5W J	nsp
R026		nsp	1k Ω 1/5W J	nsp
R027		nsp	100k Ω 1/5W J	nsp
R028		nsp	470 Ω 1/4W J	nsp
R029		nsp	150 Ω 1/5W J	nsp
R030		nsp	100k Ω 1/5W J	nsp
R031		nsp	22k Ω 1/5W J	nsp
R032		nsp	82 Ω 1/5W J	nsp
R033		nsp	39k Ω 1/5W J	nsp
R034		nsp	100k Ω 1/5W J	nsp
R035		nsp	10k Ω 1/4W J	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R036		nsp	18k Ω 1/5W J	nsp
R037		nsp	470 Ω 1/5W J	nsp
R038		nsp	5.6k Ω 1/5W J	nsp
R039		nsp	1k Ω 1/5W J	nsp
R040		nsp	100k Ω 1/5W J	nsp
R041		nsp	470 Ω 1/5W J	nsp
R051				
∫		nsp	3.3k Ω 1/5W J	nsp
R056				
R057				
∫		nsp	1k Ω 1/5W J	nsp
R060				
R061		nsp	330 Ω 1/5W J	nsp
R062		nsp	330 Ω 1/5W J	nsp
R063		nsp	100k Ω 1/5W J	nsp
R064		nsp	100k Ω 1/5W J	nsp
R065		nsp	10k Ω 1/5W J	nsp
R066		nsp	10k Ω 1/5W J	nsp
R067		nsp	270 Ω 1/4W J	nsp
R069		nsp	30k Ω 1/5W J	nsp
R070		nsp	30k Ω 1/5W J	nsp
R071		nsp	100k Ω 1/5W J	nsp
R072		nsp	100k Ω 1/5W J	nsp
R080				
∫		nsp	1K Ω 1/5W J	nsp
R084				
R085		nsp	10K Ω 1/5W J	nsp
R086		nsp	560 Ω 1/5W J	nsp
R087		nsp	5.6K Ω 1/5W J	nsp
R088		nsp	10K Ω 1/5W J	nsp
R089		nsp	10 Ω 1/4W J	nsp
R090		nsp	470 Ω 1/5W J	nsp
R093		nsp	3.3k Ω 1/5W J	nsp
R095		nsp	390 Ω 1/4W J	nsp
R096		nsp	22k Ω 1/5W J	nsp
R097		nsp	1 Ω 1/5W J	nsp
			MISCELLANEOUS	
BK02		nsp	BRACKET PCB	nsp
CF01		4822 242 11039	CERAMIC FILTER SFE10.7MS8H-A-T	*FF100230R
CF02		4822 242 11039	CERAMIC FILTER SFE10.7MS8H-A-T	*FF100230R
CF03		4822 242 10853	FILTER CERAMIC SFZ450F	FF10045290
FP11		4822 210 10802	TUNER PACK	*AV000060R
JK01		4822 265 11601	TERMINAL. ANT SC02103-2N	*YT001500R
JW01		nsp	WIRE ASSY	nsp
L012		4822 157 11859	COIL AM ANT 2	*LA00O090R
L013		4822 157 11484	COIL AM OSC	*LO00O060R
L015		4822 157 11873	COIL	*LC107220R
L017		4822 157 11487	COIL MPX	*LS00O060R
L018		4822 157 11487	COIL MPX	*LS00O060R
T011		4822 157 11861	I.F.T FM	*LA00O110R
T012		4822 157 11489	I.F.T FM	*LI000O70R
T013		4822 157 11862	I.F.T AM	*LA00O100R
TP01		nsp	WIRE COPPER 0.58MM	nsp
TP02		nsp	WIRE COPPER 0.58MM	nsp
TP03		nsp	WIRE COPPER 0.58MM	nsp
TP04		nsp	WIRE COPPER 0.58MM	nsp
VR01		4822 101 11853	RES SEMI FIXED EVNDJAA03B24	*RA00O790R
VR02		4822 101 11853	RES SEMI FIXED EVNDJAA03B24	*RA00O790R
VR03		4822 101 11956	RES SEMI FIXED EVNDJAA03B14	*RA00O880R
VR04		4822 101 11957	RES SEMI FIXED EVNDJAA03B13	*RA00O870R

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
X011		4822 242 82242	FILTER CERAMIC BFU450C4N	*FF100190R
X012		4822 242 72333	CRYSTAL	JX07001261
X013		4822 242 11042	CRYSTAL	*JX000540R
			MAIN POWER CIRCUIT BOARD	
			CAPACITOR	
C901		nsp	CER. 0.047µF 50V Z	nsp
C902		4822 124 41289	ELECT 470µF 25V	EA47702510
C903		nsp	ELECT 100µF 16V	nsp
C904		nsp	ELECT 100µF 16V	nsp
C905		nsp	CER. DE7150-610F472M	nsp
C906		nsp	ELECT 100µF 16V	nsp
C909		nsp	ELECT 220µF 16V	nsp
			CONNECTOR	
CN91		nsp	WAFER MOLEX35328-02	nsp
CN92		nsp	WAFER 7.92MM(YUNHO)	nsp
			DIODE	
D901		4822 130 31878	1N4003	HD200010AR
D902		4822 130 31878	1N4003	HD200010AR
D905		4822 130 80623	13V 1/2W ZENER	HD31301000
D906		4822 130 83142	6.2V 1/2W ZENER	HD30621000
D907		4822 130 30621	1N4148	QP13030621
D909		4822 130 31878	1N4003	HD200010AR
			TRANSISTOR	
Q901		4822 130 11617	KSC2316Y	*HT300580R
Q902		4822 130 11617	KSC2316Y	*HT300580R
Q903		4822 130 11609	KSC2785Y	*HT300590R
			RESISTOR	
R901		nsp	680 Ω 1/5W J	nsp
R902		nsp	33 Ω 1/5W J	nsp
R903		nsp	680 Ω 1/5W J	nsp
R904		nsp	33 Ω 1/5W J	nsp
R907		nsp	3.3K Ω 1/5W J	nsp
R908		nsp	47K Ω 1/5W J	nsp
			MISCELLANEOUS	
BN93		nsp	WAFER 52419(5PIN)	nsp
BN97		nsp	WIRE ASSY 2.5MM(6P)	nsp
F901		nsp	HOLDER FUSE	nsp
▲ F901		4822 070 12502	FUSE T 2.5A L 250V	*FS000560R
F903		nsp	HOLDER FUSE	nsp
▲ F903		4822 070 11002	FUSE T 1.0A L 250V	*FS000550R
F911		nsp	HOLDER FUSE	nsp
▲ F911		4822 070 16302	FUSE T 6.3A L 250V	*FS000570R
F912		nsp	HOLDER FUSE	nsp
▲ F912		4822 070 16302	FUSE T 6.3A L 250V	*FS000570R
JW96		nsp	WIRE ASSY (W/B/W) MOLEX-5298T	nsp
▲ OL91		4822 265 11604	OUTLET AC (1P) S2-770-200	*YT001490R
▲ RY91		4822 280 10387	RELAY HR-CR7-DC12V	*LY000190R
TW91		nsp	WAFER SYFW800-02P	nsp
▲ T901		4822 146 11148	TRANS. SUB EI-35(115/230V)	*TS000910R
▲ PWR1		4822 146 11149	TRANS. MAINS EI (230V)	*TS000920R
			SPEAKER CIRCUIT BOARD	
			CAPACITOR	
C911		nsp	MYLAR 0.047µF 50V J	nsp
C912		nsp	MYLAR 0.047µF 50V J	nsp
C921		nsp	MYLAR 0.047µF 50V J	nsp
C922		nsp	MYLAR 0.047µF 50V J	nsp

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POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			CONNECTOR	
CN94		nsp	WAFER 5145(3.96X10P)	nsp
			RESISTOR	
▲ R911		4822 053 10109	10 Ω 1W J METAL	GA05100010
▲ R912		4822 053 10109	10 Ω 1W J METAL	GA05100010
▲ R921		4822 053 10109	10 Ω 1W J METAL	GA05100010
▲ R922		4822 053 10109	10 Ω 1W J METAL	GA05100010
R915		nsp	47 Ω 1/4W J	nsp
R916		nsp	47 Ω 1/4W J	nsp
R918		nsp	47 Ω 1/4W J	nsp
R919		nsp	47 Ω 1/4W J	nsp
			MISCELLANEOUS	
JK91		4822 265 11602	TERMINAL SP(R/B) SH0810361P	*YT001590R
JK92		4822 265 11603	TERMINAL SP(R/B) SH0210381P	*YT001580R
L915		4822 157 11872	COIL 0.5UH K	*LC107210R
L916		4822 157 11872	COIL 0.5UH K	*LC107210R